PHILIPS 25PV7506

MODEL

SERVICE MANUAL

Colour television

FL1.1

Service
Service
Service

AA 91.01

Service Information

GB

1. Correction to service manual FL1.1 AA

The following two code numbers are to be added to the parts list of the large-signal board:

4822 320 11086	Focus cable
4822 320 20162	EHT cable

2. Defect of TS7504 or TS7506

In order to increase reliability these transistors will henceforth be preselected. In the event of a defect of one of the transistors TS7504 or TS7506 (BU2508AF), they are therefore both to be replaced in order to prevent re-occurrence.
Code number: 4822 130 62934 (2 x ON4673)

3. PIP with 2nd front-end

A PIP module with a second front-end is incorporated in all 33" FL1.1 sets.
In all other FL1.1 sets the PCB layout of the second front-end PIP module will be incorporated from AG04.
The circuit diagram, the PCB layout and the parts list of this module will be provided in the service information.

NL

1. Correctie op service manual FL1.1 AA

In de stuklijst van het grootsignaal paneel dienen de volgende twee codenummers toegevoegd te worden:

4822 320 11086	Focus cable
4822 320 20162	EHT cable

2. Defect van TS7504 of TS7506

Om de betrouwbaarheid te vergroten zijn deze transistoren vanaf nu voorgeselecteerd.
Bij een defect van een van de transistoren Ts7504 of TS7506 (BU2508AF) dient men deze dus alle twee te vervangen om herhaling te voorkomen.
Codenummer: 4822 130 62934 (2 x ON4673)

3. PIP met 2e front-end

In alle 33" FL1.1 apparaten is een PIP module met tweede front-end toegepast.
In alle andere FL1.1 apparaten zal vanaf AG04 de print lay-out van de tweede front-end PIP module worden toegepast.
In deze service informatie worden het principe schema, de print lay-out en de stuklijst van deze module gegeven.

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Ⓓ

1. Berichtigung des Service-Handbuchs FL1.1 AA

Bei der Ersatzteilliste müssen die folgenden beiden Codenummern hinzugefügt werden:

4822 320 11086	Fokuskabel
4822 320 20162	EHT-Kabel

2. Defekt an TS7504 oder TS7506

Zwecks einer Verbesserung der Zuverlässigkeit werden diese Transistoren ab sofort vorausgewählt. Bei einem Defekt an einem der beiden Transistoren TS7504 oder TS7506 (BU2508AF) müssen daher beide ausgetauscht werden, um eine wiederholte Störung auszuschließen.
Codenummer: 4822 130 62934 (2 x ON6473)

3. PIP mit zweitem Eingangsteil

In allen 33-Zoll-Fl1.1-Geräten wird ein PIP-Modul mit einem zweiten Eingangsteil angewandt. Bei allen anderen FL1.1-Geräten wird ab AG04 das Platinenlayout des zweiten Eingangsteils des PIP-Moduls benutzt werden.
Diese Service-Information enthält ein Blockschaltbild, ein Platinenlayout und eine Ersatzteilliste für dieses Modul.

Ⓕ

1. Correction concernant le Manuel de Service FL1.1 AA

Dans la nomenclature des pièces de la carte du grand signal, il convient d'ajouter les deux numéros de référence suivants :

4822 320 11086	Câble de focalisation
4822 320 20162	Câble EHT

2. Défaut de TS7504 ou TS7506

En vue d'augmenter la fiabilité, ces transistors sont dorénavant présélectionnés. En cas de défaillance de l'un des transistors TS7504 ou TS7506 (BU2508AF), il convient donc de les remplacer tous les deux de façon à éviter une répétition.
Numéro de référence 4822 130 62934 (2xON4673)

3. PIP avec 2ème platine complète

Un module PIP avec une deuxième platine complète a été utilisé dans tous les appareils FL1.1 33" (env.84cm).
La configuration de carte du module PIP avec la deuxième platine complète sera utilisée dans tous les autres appareils FL1.1 à partir de AG04.
Le schéma de montage, la configuration de carte et la nomenclature des pièces de ces modules figurent dans cette information de service.

Ⓘ

1. Correzione del Manuale di Servizio FL.1.1 AA

Nell'elenco dei componenti del pannello dei grandi segnali devono essere aggiunti i seguenti codici:

4822 320 11086	cavo di focalizzazione
4822 320 20162	cavo EHT

2. Difetto del TS7504 o TS7506

Per aumentare l'affidabilità, a partire da oggi questi transistori sono preselezionati.
In caso che uno dei transistori TS7504 o TS7506 (BU2508AF) risulti difettoso bisognerà sostituirli ambedue per evitare che il difetto si ripeta.
Codice: 4822 130 62934 (2 x ON4673)

3. PIP con 2^e front-end

In tutti gli apparecchi 33" FL1.1 è applicato un modulo PIP con secondo front-end.
In tutti gli altri apparecchi FL1.1 a partire da AG04 verrà applicato il lay-out del circuito stampato del modulo PIP con secondo front-end.
Nella presente pubblicazione troverete lo schema di principio, il lay-out del circuito stampato e l'elenco dei componenti di questo modulo.

Ⓔ

1. Corrección en el manual de servicio FL1.1AA.

En la lisa de piezas del panel de señal grande han de añadirse los dos números de código siguientes:

4822 320 11086	Cable del foco.
4822 320 20162	Cable EHT.

2. Defectos en el TS7504 ó en el TS7506.

Para aumentar la seguridad de funcionamiento, a partir de ahora estos dos transistores son preseleccionados. En caso de desperfecto de uno de los transistores TS7504 ó TS7506 (BU2508AF) habrán de reemplazarse ambos transistores para evitar que se repita el desperfecto.
Número de código: 4822 130 62934 (2xON4673).

3. PIP con segundo terminal de entrada.

En todos los aparatos FL1.1. de 33" se ha aplicado un módulo PIP con segundo terminal de entrada. En todos los otros aparatos FL1.1 se aplicará, a partir del AG04, el circuito impreso del módulo PIP con segundo terminal de entrada. En esta información de servicio se dan el esquema de principio, el circuito impreso y la lista de piezas de este módulo.

Second tuner PIP (continued)

3600	4822 051 10103	10k 2% 0,25W
3601	4822 051 10103	10k 2% 0,25W
3602	4822 051 10101	100Ω 2% 0,25W
3603	4822 051 10101	100Ω 2% 0,25W
3604	4822 052 10158	1Ω5 5% 0,33W
3605	4822 051 10223	22k 2% 0,25W
3610	4822 100 11319	4k7 30% LIN
3611	4822 051 10332	3k3 2% 0,25W
3612	4822 051 10272	2k7 2% 0,25W
3613	4822 051 10103	10k 2% 0,25W
3614	4822 051 10123	12k 2% 0,25W
3615	4822 051 10822	8k2 2% 0,25W
3616	4822 116 52229	750Ω 5% 0,5W
3617	4822 051 10751	750Ω 2% 0,25W
3618	4822 052 10568	5Ω6 5% 0,33W
3619	4822 051 10471	470Ω 2% 0,25W
3620	4822 051 20222	2k2 5% 0,1W
3621	4822 051 10105	1M 5% 0,25W
3622	4822 051 10272	2k7 2% 0,25W
3624	4822 051 10272	2k7 2% 0,25W
3625	4822 051 10511	510Ω 2% 0,25W
3630	4822 051 10101	100Ω 2% 0,25W
3631	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3634	4822 051 10104	100k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4027	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W

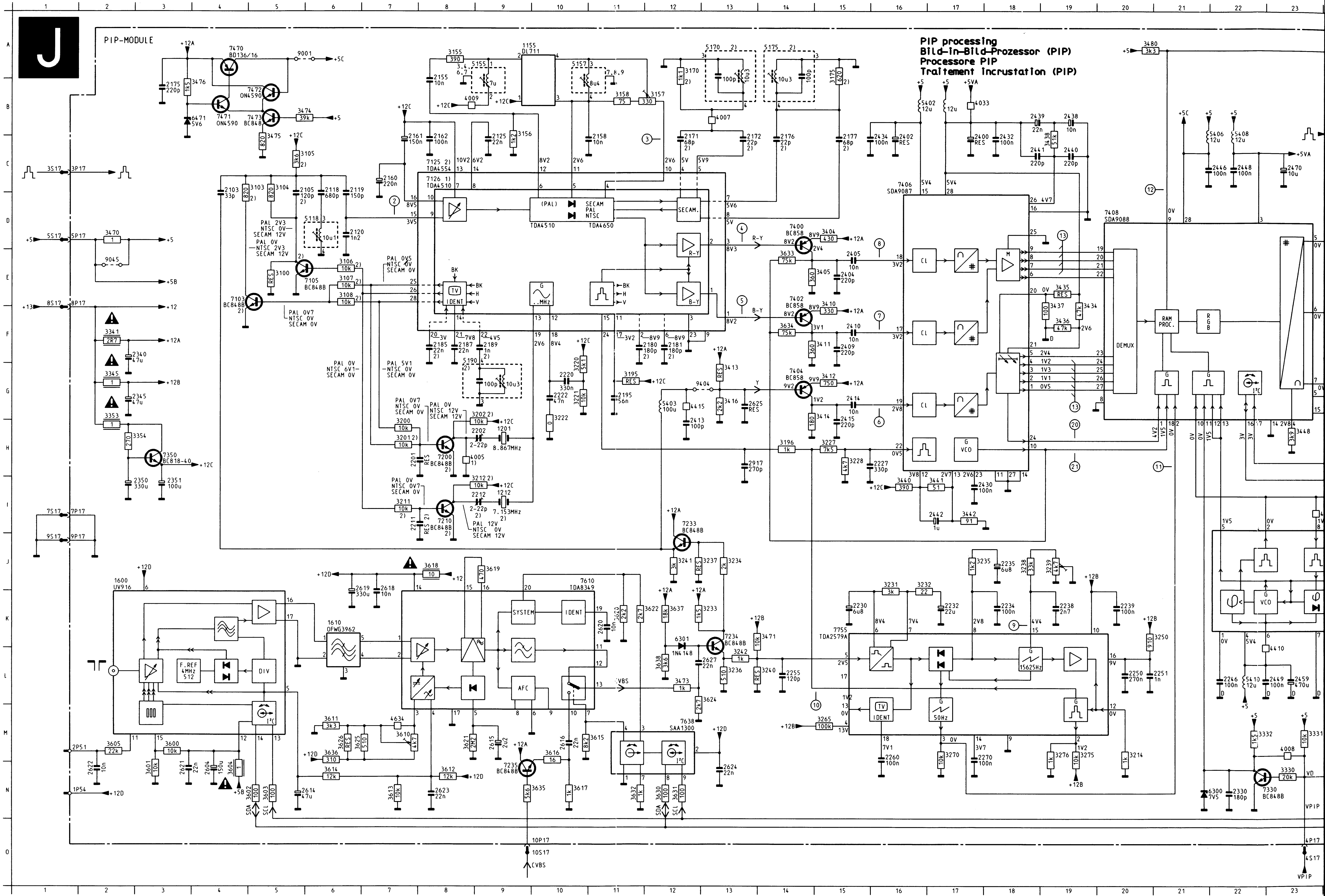
Jumpers

4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4633	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W

5118	4822 157 60435	10,3μH 6%
5155	4822 157 60433	7,2μH 6%
5157	4822 157 60434	9,4μH 6%
5170	4822 157 60432	10,3μH
5175	4822 157 60432	10,3μH
5190	4822 157 60432	10,3μH
5400	4822 157 50943	12μH 10%
5402	4822 157 50943	12μH 10%
5403	4822 157 52333	100μH
5406	4822 157 50943	12μH 10%
5408	4822 157 50943	12μH 10%
5410	4822 157 50943	12μH 10%

6300	4822 130 80906	LLZ-C7V5
6301	4822 130 80446	LL4148

7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7126	4822 209 30389	TDA4510/V8
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	5322 130 41982	BC848B
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7381	5322 130 42012	BC858
7385	5322 130 42012	BC858
7387	5322 130 42012	BC858
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8

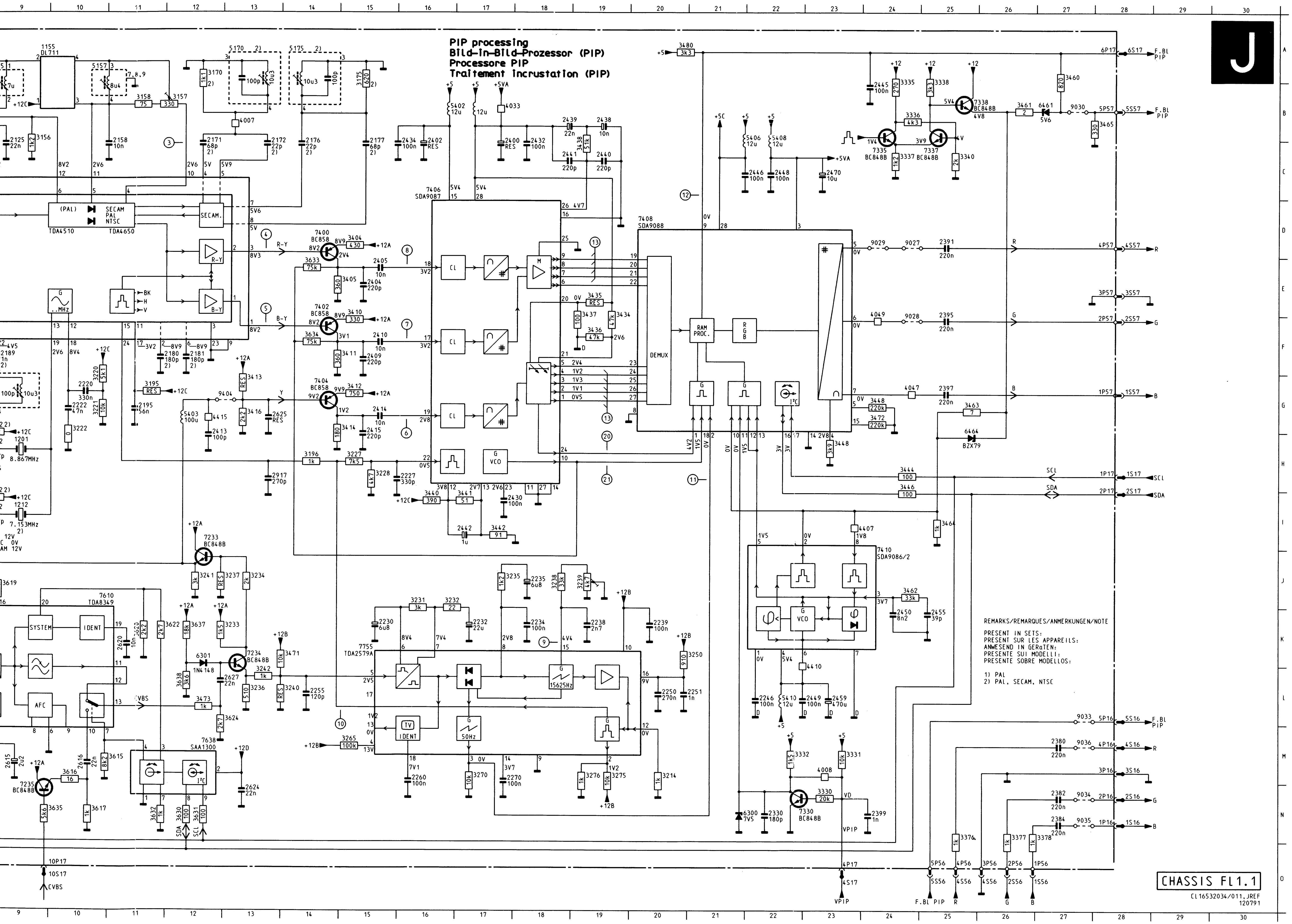


J

PIP-MODULE

PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)

7470 BD136/16
7471 ON4590
7472 ON4590
7473 BC848
7350 BC818-40
1155 DL711
7125 TDA4554
7126 TDA4510
(PAL)
SECAM PAL NTSC
TDA4510
TDA4650
SECAM.
R-Y
B-Y
TV IDENT
G ..MHz
BK
7105 BC848B
7103 BC848B
7200 BC848B
7210 BC848B
1201 8.867MHz
1212 7.153MHz
7400 BC858
7402 BC858
7404 BC858
7406 SDA9087
7408 SDA9088
CL
DEMUX
RAM PROC.
R G B
VCO
1600 UV916
F.REF 4MHz 512
DIV
1610 OFWG3962
7610 TDA8349
SYSTEM
IDENT
AFC
7233 BC848B
7234 BC848B
7235 BC848B
6301 1N4148
7638 SAA1300
7755 TDA2579A
15625Hz
50Hz
7330 BC848B
6300 7V5
6471 5V6
VBS
CVBS
10P17
10S17
4P17
4S17
VPIP
SDA
SCL
+5
+12
+12A
+12B
+12C
+12D
+5VA
+5C
+5B


J
7406
SDA9087
7408
SDA9088
7410
SDA9086/2
7610
TDA8349
7638
SAA1300
7755
TDA2579A
TDA4510
TDA4650
1155
DL711
7400
BC858
7402
BC858
7404
BC858
7233
BC848B
7234
BC848B
7235
BC848B
7330
BC848B
7335
BC848B
7337
BC848B
7338
BC848B
SECAM
PAL
NTSC
DEMUX
RAM PROC.
RGB
VCO
SYSTEM
IDENT
AFC
TV IDENT
50Hz
15625Hz
8.867MHz
7.153MHz
R-Y
B-Y
BK
H
V
SCL
SDA
F.BL PIP
R
G
B
CVBS
VPIP
9
10
11
12
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PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

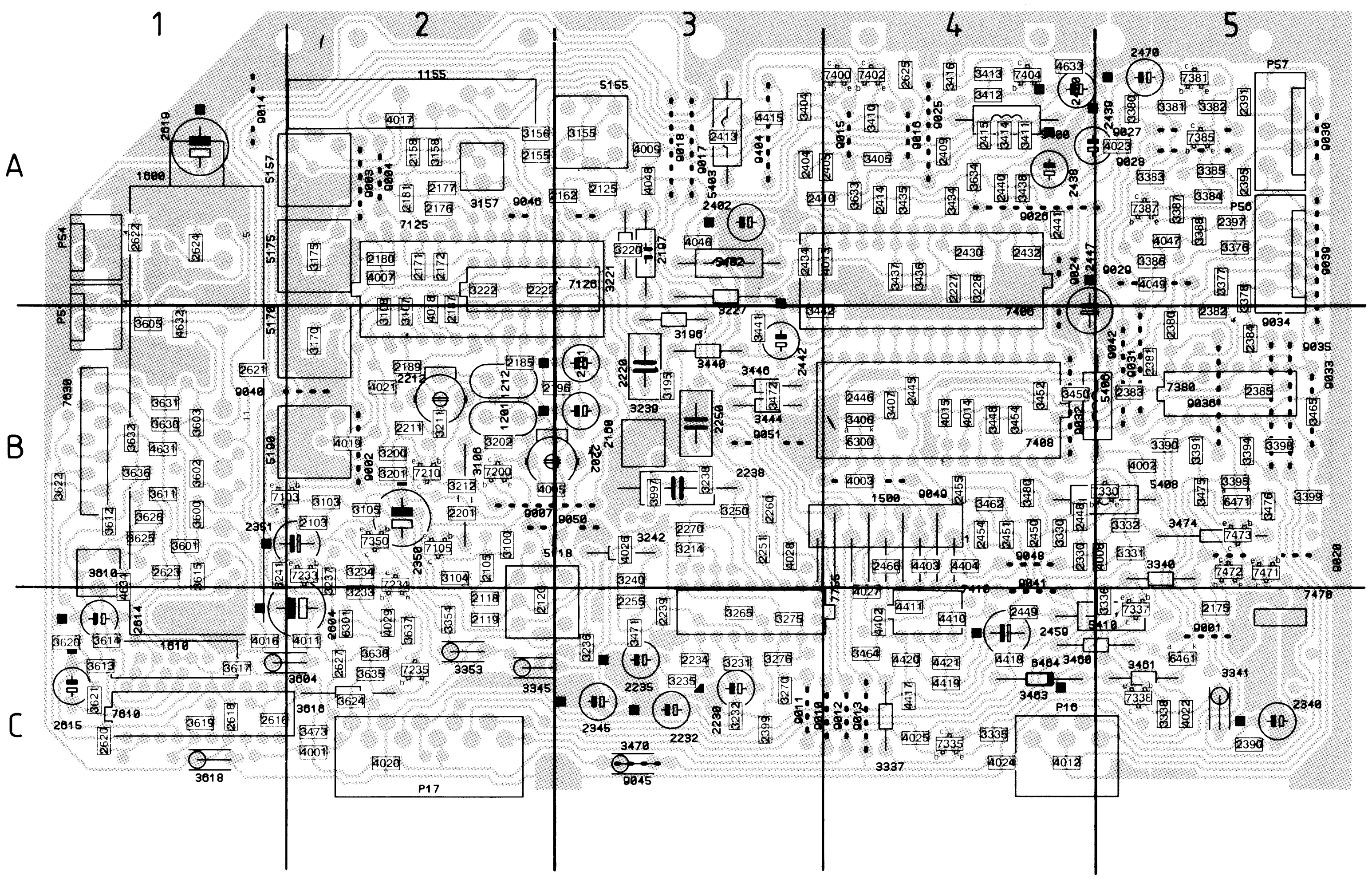
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERaTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

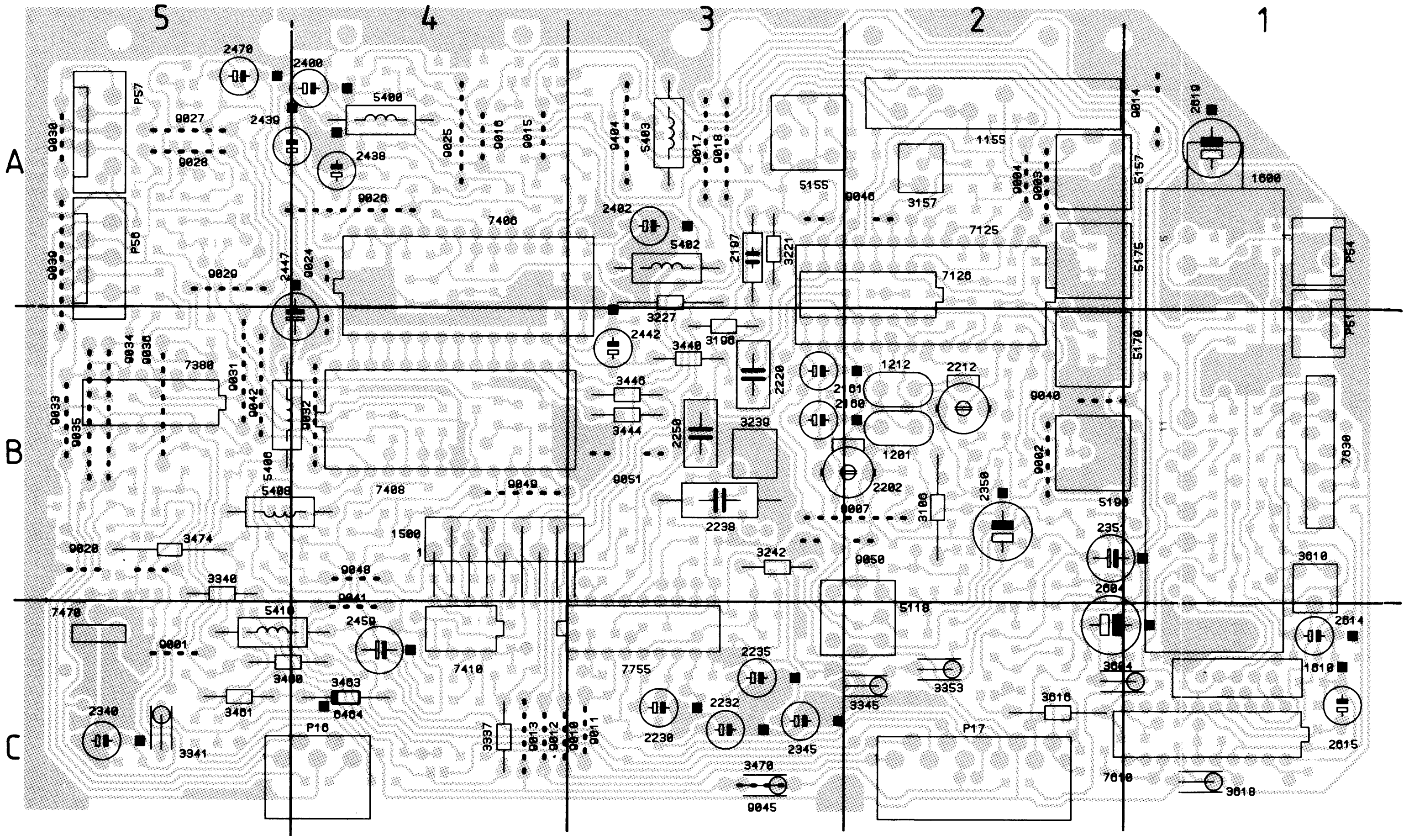
1) PAL
2) PAL, SECAM, NTSC

CHASSIS FL1.1

CL 16532034/011, JREF
120791

1155	A 9	3212	I 9	5155	A 8
1201	H 9	3214	M20	5157	A10
1212	I 9	3220	G10	5170	A13
1600	J 2	3221	G10	5175	A14
1610	K 6	3222	G10	5190	G 8
2103	D 4	3227	H15	5402	B16
2105	D 5	3228	H15	5403	G12
2118	D 6	3231	J16	5406	C21
2119	D 6	3232	J16	5408	C22
2120	D 6	3233	K13	5410	L22
2125	C 9	3234	J13	6300	N21
2155	B 8	3235	J17	6301	K12
2158	C11	3236	L13	6461	B27
2160	C 7	3237	J13	6464	H25
2161	C 7	3238	J18	6471	B 3
2162	C 8	3239	J19	7103	E 4
2171	C12	3240	L14	7105	E 5
2172	C13	3241	J12	7125	C 8
2175	B 3	3242	L13	7126	C 8
2176	C14	3250	K21	7200	H 8
2177	C15	3265	M15	7210	I 8
2180	F11	3270	M17	7233	I12
2181	F12	3275	M19	7234	K13
2185	F 8	3276	M19	7235	N 9
2187	F 8	3330	N23	7330	N22
2189	F 9	3331	M23	7335	C24
2195	G11	3332	M22	7337	C25
2201	H 7	3335	A24	7338	B25
2202	H 9	3336	B24	7350	H 3
2211	I 7	3337	C24	7400	D14
2212	I 9	3338	A25	7402	E14
2220	G10	3340	C25	7404	G14
2222	G10	3341	F 2	7406	C16
2227	H16	3345	G 2	7408	D20
2230	K15	3353	G 2	7410	I24
2232	K17	3354	H 2	7470	A 4
2234	K18	3376	N25	7471	B 4
2235	J18	3377	N26	7472	B 5
2238	K19	3378	N27	7473	B 5
2239	K20	3404	D15	7610	J11
2246	L22	3405	E15	7638	M12
2250	L20	3410	F15	7755	K15
2251	L21	3411	F15	9001	A 5
2255	L14	3412	G15	9027	D24
2260	M16	3413	G13	9028	F24
2270	M17	3414	G15	9029	D24
2330	N22	3416	G13	9030	B27
2340	F 2	3434	E19	9033	L27
2345	G 2	3435	E19	9034	N27
2350	I 2	3436	F19	9035	N27
2351	I 3	3437	E19	9036	M27
2380	M27	3438	C19	9045	E 2
2382	N27	3440	I16	9404	G13
2384	N27	3441	I17		
2391	D25	3442	I17		
2395	F25	3444	H24		
2397	G25	3446	H24		
2399	N24	3448	H23		
2400	C17	3448	G24		
2402	C16	3460	A27		
2404	E15	3461	B26		
2405	E15	3462	J24		
2409	F15	3463	G25		
2410	F15	3464	I25		
2413	H12	3465	B28		
2414	G15	3470	D 2		
2415	H15	3471	K14		
2430	I17	3472	G24		
2432	C18	3473	L12		
2434	C16	3474	B 5		
2438	B19	3475	B 5		
2439	B18	3476	B 3		
2440	C19	3480	A20		
2441	C18	3600	M 3		
2442	I17	3601	N 3		
2445	B24	3602	N 5		
2446	C22	3603	N 5		
2448	C22	3604	N 4		
2449	L23	3605	M 2		
2450	K24	3610	M 7		
2455	K25	3611	M 6		
2459	L23	3612	N 8		
2470	C23	3613	N 7		
2604	N 4	3614	N 6		
2614	N 5	3615	M11		
2615	M 9	3616	M10		
2616	M10	3617	N10		
2618	K 7	3618	J 8		
2619	K 6	3619	J 9		
2620	K11	3620	K11		
2621	N 3	3621	M 8		
2622	N 2	3622	K12		
2623	N 8	3624	L13		
2624	N13	3625	M 6		
2625	G13	3626	M 6		
2627	L13	3630	N12		
2917	H13	3631	N12		
3100	E 5	3632	N11		
3103	C 5	3633	E14		
3104	C 5	3634	F14		
3105	C 5	3635	N10		
3106	E 6	3636	M 6		
3107	E 6	3637	K12		
3108	E 6	3638	L12		
3155	A 8	4005	H 8		
3156	B 9	4007	B13		
3157	B12	4008	M23		
3158	B11	4009	B 8		
3170	A12	4033	B17		
3175	A15	4047	G24		
3195	G11	4049	F24		
3196	H14	4407	I23		
3200	H 7	4410	L23		
3201	H 7	4415	G12		
3202	G 9	4634	M 7		
3211	I 7	5118	D 5		





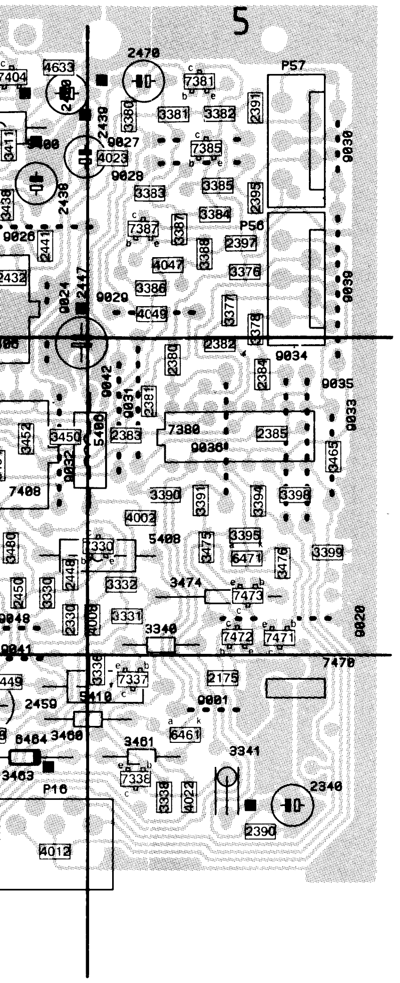
1155 A2	2430 A4	3250 B3	3475 B5	4418 C4	9020 B5
1201 B2	2432 A4	3265 C3	3476 B5	4419 C4	9024 A4
1212 B2	2434 A3	3270 C3	3480 B4	4420 C4	9025 A4
1500 B4	2438 A4	3275 C3	3600 B1	4421 C4	9026 A4
1600 A1	2439 A5	3276 C3	3601 B1	4631 B1	9027 A5
1610 C1	2440 A4	3330 B4	3602 B1	4632 B1	9028 A5
2103 B2	2441 A4	3331 B5	3603 B1	4633 A4	9029 A5
2105 B2	2442 B3	3332 B5	3604 C1	4634 B1	9030 A5
2118 C2	2445 B4	3335 C4	3605 B1	5118 B2	9031 B5
2119 C2	2446 B4	3336 C5	3610 B1	5155 A3	9032 B4
2120 C2	2447 A4	3337 C4	3611 B1	5157 A1	9033 B5
2125 A3	2448 B4	3338 C5	3612 B1	5170 B2	9034 B5
2155 A2	2449 C4	3340 B5	3613 C1	5175 A1	9035 B5
2158 A2	2450 B4	3341 C5	3614 C1	5190 B2	9036 B5
2160 B3	2451 B4	3345 C2	3615 B2	5400 A4	9039 A5
2161 B3	2454 B4	3353 C2	3616 C1	5402 A3	9040 B2
2162 A3	2455 B4	3354 C2	3617 C1	5403 A3	9041 C4
2171 A2	2459 C4	3376 A5	3618 C1	5406 B5	9042 B5
2172 A2	2466 B4	3377 A5	3619 C1	5408 B5	9045 C3
2175 C5	2470 A5	3378 A5	3620 C1	5410 C5	9046 A2
2176 A2	2604 C3	3380 A5	3621 C1	6300 B4	9048 B4
2177 A2	2614 C1	3381 A5	3622 B1	6301 C2	9049 B4
2180 A2	2615 C1	3382 A5	3624 C2	6461 C5	9050 B3
2181 A2	2616 C1	3383 A5	3625 B1	6464 C4	9051 B3
2185 B2	2618 C1	3384 A5	3626 B1	6471 B5	9404 A3
2189 B2	2619 A1	3385 A5	3630 B1	7103 B2	P016 C4
2196 B2	2620 C1	3386 A5	3631 B1	7105 B2	P017 C2
2197 A3	2621 B1	3387 A5	3633 A4	7125 A2	P051 B1
2201 B2	2622 A1	3388 A5	3634 A4	7126 A3	P054 A1
2202 B3	2623 B2	3390 B5	3635 C2	7200 B2	P056 A5
2211 B2	2625 A4	3391 B5	3636 B1	7210 B2	P057 A5
2212 B2	2627 C2	3394 B5	3637 C2	7233 B2	
2220 B3	3100 B2	3395 B5	3638 C2	7234 B2	
2222 A2	3103 B2	3398 B5	3997 B3	7235 C2	
2227 A4	3104 B2	3399 B5	4001 C2	7330 B5	
2230 C3	3105 B2	3404 A3	4002 B5	7335 C4	
2232 C3	3106 B2	3405 A4	4003 B4	7337 C5	
2234 C3	3107 A2	3406 B4	4005 B3	7338 C5	
2235 C3	3108 A2	3407 B4	4007 A2	7350 B2	
2238 B3	3155 A3	3410 A4	4008 B5	7380 B5	
2239 E3	3156 A2	3411 A4	4009 A3	7381 A5	
2250 B3	3157 A2	3412 A4	4011 C2	7385 A5	
2251 B3	3158 A2	3413 A4	4012 C4	7387 A5	
2255 C3	3170 B2	3414 A4	4013 A4	7400 A4	
2260 B3	3175 A2	3416 A4	4014 B4	7402 A4	
2270 B3	3195 B3	3434 A4	4015 B4	7404 A4	
2330 B4	3196 B3	3435 A4	4016 C1	7406 A4	
2340 C5	3200 B2	3436 A4	4017 A2	7408 B4	
2345 C3	3201 B2	3437 A4	4018 A2	7410 C4	
2350 B2	3202 B2	3438 A4	4019 B2	7470 C5	
2351 B2	3211 B2	3440 B3	4020 C2	7471 B5	
2380 B5	3212 B2	3441 B3	4021 B2	7472 B5	
2381 B5	3214 B3	3442 A3	4022 C5	7473 B5	
2383 B5	3220 A3	3444 B3	4024 C4	7610 C1	
2384 B5	3221 A3	3446 B3	4025 C4	7630 B1	
2385 B5	3222 A2	3448 B4	4026 B3	7755 C3	
2390 C5	3227 A3	3450 B4	4027 B4	9001 C5	
2391 A5	3228 A4	3452 B4	4028 B3	9002 B2	
2395 A5	3231 C3	3454 B4	4029 C2	9003 A2	
2397 A5	3232 C3	3460 C5	4046 A3	9004 A2	
2399 C3	3233 C2	3461 C5	4047 A5	9007 B2	
2400 A4	3234 B2	3462 B4	4048 A3	9010 C3	
2402 A3	3235 C3	3463 C4	4049 A5	9011 C3	
2404 A3	3236 C3	3464 C4	4402 C4	9012 C4	
2405 A4	3237 B2	3465 B5	4403 B4	9013 C4	
2409 A4	3238 B3	3470 C3	4404 B4	9014 A1	
2410 A4	3239 B3	3471 C3	4410 C4	9015 A4	
2413 A3	3240 B3	3472 B3	4411 C4	9016 A4	
2414 A4	3241 B1	3473 C2	4415 A3	9017 A3	
2415 A4	3242 B3	3474 B5	4417 C4	9018 A3	

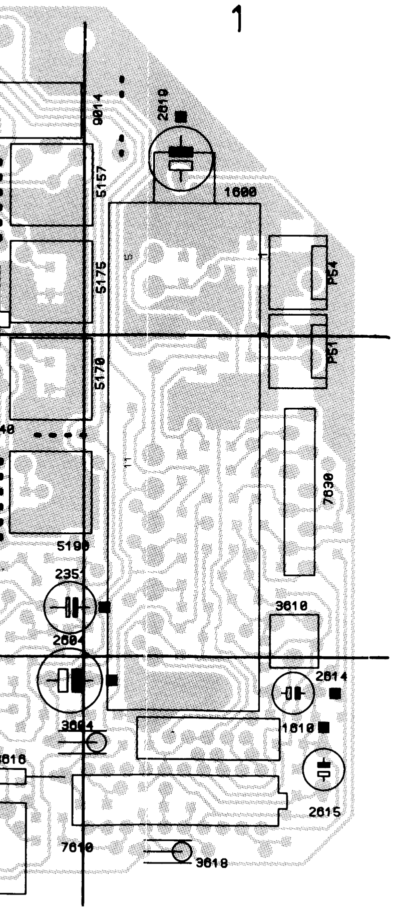
Spare parts

Second tuner P

Connectors	
	4822 265 4050
	4822 265 4047
	4822 265 3082
	4822 265 3089
	4822 265 2050
	4822 265 2051
Various parts	
1155	4822 320 4005
1201	4822 242 7030
1212	4822 242 7073
1600	4822 210 5012
1610	4822 242 8027
⊣⊢	
2103	4822 122 3244
2105	4822 122 3176
2118	4822 122 3177
2119	4822 122 3180
2120	4822 122 3180
2125	4822 122 3286
2155	4822 122 3286
2158	4822 122 3286
2160	4822 121 4240
2161	4822 121 4185
2162	4822 122 3194
2171	4822 122 3196
2172	4822 126 1117
2176	4822 126 1117
2177	4822 122 3196
2180	4822 122 3176
2181	4822 122 3176
2185	4822 122 3286
2187	4822 122 3286
2189	4822 122 3174
2196	4822 122 3310
2197	4822 122 3138
2201	4822 122 3174
2202	4822 125 5004
2211	4822 122 3174
2212	4822 125 5004
2220	5322 121 4266
2222	4822 122 3254
2227	4822 122 3184
2230	4822 124 4157
2232	4822 124 4167
2234	4822 122 3349
2235	4822 124 4157
2238	4822 121 4293
2239	4822 122 3194
2250	4822 121 5111
2251	5322 122 3164
2255	4822 122 3176
2260	4822 122 3194
2270	4822 122 3194
2330	4822 122 3259
2345	4822 124 4150
2350	4822 124 4084
2351	4822 124 4164
2380	4822 122 3292
2382	4822 122 3292
2384	4822 122 3292
2391	4822 122 3292
2395	4822 122 3292

CS 40 506





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1201	B2
1212	B2
1500	B4
1600	A1
1610	C1
2103	B2
2105	B2
2118	C2
2119	C2
2120	C2
2125	A3
2155	A2
2158	A2
2160	B3
2161	B3
2162	A3
2171	A2
2172	A2
2175	C5
2176	A2
2177	A2
2180	A2
2181	A2
2185	B2
2189	B2
2196	B2
2197	A3
2201	B2
2202	B3
2211	B2
2212	B2
2220	B3
2222	A2
2227	A4
2230	C3
2232	C3
2234	C3
2235	C3
2238	B3
2239	E3
2250	B3
2251	B3
2255	C3
2260	B3
2270	B3
2330	B4
2340	C5
2345	C3
2350	B2
2351	B2
2380	B5
2381	B5
2383	B5
2384	B5
2385	B5
2390	C5
2391	A5
2395	A5
2397	A5
2399	C3
2400	A4
2402	A3
2404	A3
2405	A4
2409	A4
2410	A4
2413	A3
2414	A4
2415	A4
2430	A4
2432	A4
2434	A3
2438	A4
2439	A5
2440	A4
2441	A4
2442	B3
2445	B4
2446	B4
2447	A4
2448	B4
2449	C4
2450	B4
2451	B4
2454	B4
2455	B4
2459	C4
2466	B4
2470	A5
2604	C3
2614	C1
2615	C1
2616	C1
2618	C1
2619	A1
2620	C1
2621	B1
2622	A1
2623	B2
2625	A4
2627	C2
3100	B2
3103	B2
3104	B2
3105	B2
3106	B2
3107	A2
3108	A2
3155	A3
3156	A2
3157	A2
3158	A2
3170	B2
3175	A2
3195	B3
3196	B3
3200	B2
3201	B2
3202	B2
3211	B2
3212	B2
3214	B3
3220	A3
3221	A3
3222	A2
3227	A3
3228	A4
3231	C3
3232	C3
3233	C2
3234	B2
3235	C3
3236	C3
3237	B2
3238	B3
3239	B3
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3241	B1
3242	B3
3250	B3
3265	C3
3270	C3
3275	C3
3276	C3
3330	B4
3331	B5
3332	B5
3335	C4
3336	C5
3337	C4
3338	C5
3340	B5
3341	C5
3345	C2
3353	C2
3354	C2
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3388	A5
3390	B5
3391	B5
3394	B5
3395	B5
3398	B5
3399	B5
3404	A3
3405	A4
3406	B4
3407	B4
3410	A4
3411	A4
3412	A4
3413	A4
3414	A4
3416	A4
3434	A4
3435	A4
3436	A4
3437	A4
3438	A4
3440	B3
3441	B3
3442	A3
3444	B3
3446	B3
3448	B4
3450	B4
3452	B4
3454	B4
3460	C5
3461	C5
3462	B4
3463	C4
3464	C4
3465	B5
3470	C3
3471	C3
3472	B3
3473	C2
3474	B5
3475	B5
3476	B5
3480	B4
3600	B1
3601	B1
3602	B1
3603	B1
3604	C1
3605	B1
3610	B1
3611	B1
3612	B1
3613	C1
3614	C1
3615	B2
3616	C1
3617	C1
3618	C1
3619	C1
3620	C1
3621	C1
3622	B1
3624	C2
3625	B1
3626	B1
3630	B1
3631	B1
3633	A4
3634	A4
3635	C2
3636	B1
3637	C2
3638	C2
3997	B3
4001	C2
4002	B5
4003	B4
4005	B3
4007	A2
4008	B5
4009	A3
4011	C2
4012	C4
4013	A4
4014	B4
4015	B4
4016	C1
4017	A2
4018	A2
4019	B2
4020	C2
4021	B2
4022	C5
4024	C4
4025	C4
4026	B3
4027	B4
4028	B3
4029	C2
4046	A3
4047	A5
4048	A3
4049	A5
4402	C4
4403	B4
4404	B4
4410	C4
4411	C4
4415	A3
4417	C4
4418	C4
4419	C4
4420	C4
4421	C4
4631	B1
4632	B1
4633	A4
4634	B1
5118	B2
5155	A3
5157	A1
5170	B2
5175	A1
5190	B2
5400	A4
5402	A3
5403	A3
5406	B5
5408	B5
5410	C5
6300	B4
6301	C2
6461	C5
6464	C4
6471	B5
7103	B2
7105	B2
7125	A2
7126	A3
7200	B2
7210	B2
7233	B2
7234	B2
7235	C2
7330	B5
7335	C4
7337	C5
7338	C5
7350	B2
7380	B5
7381	A5
7385	A5
7387	A5
7400	A4
7402	A4
7404	A4
7406	A4
7408	B4
7410	C4
7470	C5
7471	B5
7472	B5
7473	B5
7610	C1
7630	B1
7755	C3
9001	C5
9002	B2
9003	A2
9004	A2
9007	B2
9010	C3
9011	C3
9012	C4
9013	C4
9014	A1
9015	A4
9016	A4
9017	A3
9018	A3
9020	B5
9024	A4
9025	A4
9026	A4
9027	A5
9028	A5
9029	A5
9030	A5
9031	B5
9032	B4
9033	B5
9034	B5
9035	B5
9036	B5
9039	A5
9040	B2
9041	C4
9042	B5
9045	C3
9046	A2
9048	B4
9049	B4
9050	B3
9051	B3
9404	A3
P016	C4
P017	C2
P051	B1
P054	A1
P056	A5
P057	A5

Spare parts list / Stückliste / Liste

Second tuner PIP J

Connectors		
	4822 265 40503	5P female gold plated
	4822 265 40472	10P female gold plated
	4822 265 30828	5P male
	4822 265 30899	5P
	4822 265 20509	2P grey
	4822 265 20511	2P blue
Various parts		
1155	4822 320 40051	delay line DL711
1201	4822 242 70304	crystal 8,867 238 MHz
1212	4822 242 70736	crystal 7,159 090 MHz
1600	4822 210 50124	UV916E/IEC
1610	4822 242 80275	OFWG3962
⊣⊢		
2103	4822 122 32444	33pF 5% 50V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31808	150pF 10% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1000pF 5% 50V
2196	4822 122 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF trim.
2211	4822 122 31746	1000pF 5% 50V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	4822 122 31842	330pF 5% 63V
2230	4822 124 41578	6,8μF 20% 50V
2232	4822 124 41678	22μF 20% 25V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8μF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 31947	100nF 20% 63V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2330	4822 122 32597	6,8nF 10% 63V
2345	4822 124 41506	47μF 20% 16V
2350	4822 124 40849	330μF 20% 16V
2351	4822 124 41643	100μF 20% 16V
2380	4822 122 32927	220nF
2382	4822 122 32927	220nF
2384	4822 122 32927	220nF
2391	4822 122 32927	220nF
2395	4822 122 32927	220nF
⊣⊢		
2397	4822 122 32927	220nF
2399	4822 122 31746	1000pF 5% 50V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31839	82pF 10% 50V
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 32765	820pF 10% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1μF 20% 63V
2446	4822 122 31947	100nF 20% 63V
2448	4822 122 31947	100nF 20% 63V
2450	4822 122 32856	8,2nF 10% 63V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470μF 10V
2466	4822 122 31947	100nF 20% 63V
2470	4822 124 40435	10μF 20% 50V
2604	4822 124 40195	150μF 20% 16V
2614	4822 124 41506	47μF 20% 16V
2615	4822 124 41576	2,2μF 20% 50V
2616	4822 122 32927	220nF
2618	4822 122 32442	10nF 50V
2619	4822 124 40849	330μF 20% 16V
2620	4822 122 32442	10nF 50V
2621	4822 122 31797	22nF 10% 63V
2622	4822 122 31947	100nF 20% 63V
2623	4822 122 31797	22nF 10% 63V
2627	4822 122 32927	220nF
─▭─		
3100	4822 051 10008	0Ω 5% 0,25W
3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 051 10103	10k 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 050 11002	1k 1% 0,4W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	0Ω 5% 0,25W
3227	4822 116 52299	7k 5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10302	3k 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10821	820Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10222	1k2 2% 0,25W
─▭─		
3236	4822 051 10511	510Ω 2% 0,25W
3237	4822 051 10153	15k 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10302	3k 2% 0,25W
3242	4822 050 11002	1k 1% 0,4W
3250	4822 051 10911	910Ω 2% 0,25W
3265	4822 051 10104	100k 2% 0,25W
3270	4822 051 10103	10k 2% 0,25W
3275	4822 051 10103	10k 2% 0,25W
3276	4822 051 10102	1k 2% 0,25W
3330	4822 051 10752	7k5 2% 0,25W
3331	4822 051 10103	10k 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10432	4k3 2% 0,25W
3337	4822 116 52207	1k2 5% 0,5W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 116 52253	2k 5% 0,5W
3345	4822 052 10229	22Ω 5% 0,33W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10271	270Ω 2% 0,25W
3376	4822 051 10008	0Ω 5% 0,25W
3377	4822 051 10008	0Ω 5% 0,25W
3378	4822 051 10008	0Ω 5% 0,25W
3380	4822 051 10008	0Ω 5% 0,25W
3381	4822 051 10151	150Ω 2% 0,25W
3382	4822 051 10008	0Ω 5% 0,25W
3383	4822 051 10008	0Ω 5% 0,25W
3384	4822 051 10151	150Ω 2% 0,25W
3385	4822 051 10008	0Ω 5% 0,25W
3386	4822 051 10008	0Ω 5% 0,25W
3387	4822 051 10151	150Ω 2% 0,25W
3388	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10391	390Ω 2% 0,25W
3414	4822 051 10101	100Ω 2% 0,25W
3416	4822 051 10182	1k8 2% 0,25W
3434	4822 051 10473	47k 2% 0,25W
3436	4822 051 10473	47k 2% 0,25W
3437	4822 051 10101	100Ω 2% 0,25W
3438	4822 051 10513	51k 2% 0,25W
3440	4822 116 52222	390Ω 5% 0,5W
3441	4822 051 10519	51Ω 2% 0,25W
3442	4822 051 10919	91Ω 2% 0,25W
3444	4822 116 52175	100Ω 5% 0,5W
3446	4822 116 52175	100Ω 5% 0,5W
3448	4822 051 10392	3k9 2% 0,25W
3450	4822 051 10681	680Ω 2% 0,25W
3450	4822 051 10751	750Ω 2% 0,25W
3452	4822 051 10681	680Ω 2% 0,25W
3452	4822 051 10751	750Ω 2% 0,25W
3454	4822 051 10681	680Ω 2% 0,25W
3454	4822 051 10751	750Ω 2% 0,25W
3460	4822 116 52217	270Ω 5% 0,5W
3461	4822 116 52259	2k4 5% 0,5W
3462	4822 051 10333	33k 2% 0,25W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3465	4822 051 10821	820Ω 2% 0,25W
3471	4822 051 10103	10k 2% 0,25W
3472	4822 051 10224	220k 2% 0,25W
3473	4822 051 10008	0Ω 5% 0,25W
3473	4822 051 10102	1k 2% 0,25W

Colour television Chassis

Service
Service
Service

FL 1.1 AC
FL 1.7 AA

ServiceManual

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   Sound output amplifier (Diagram G) 6.42
   NICAM module (Diagram K) 6.44
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7. Electrical settings 7.1
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1.2 CHASSIS FL1.1 Block diagram

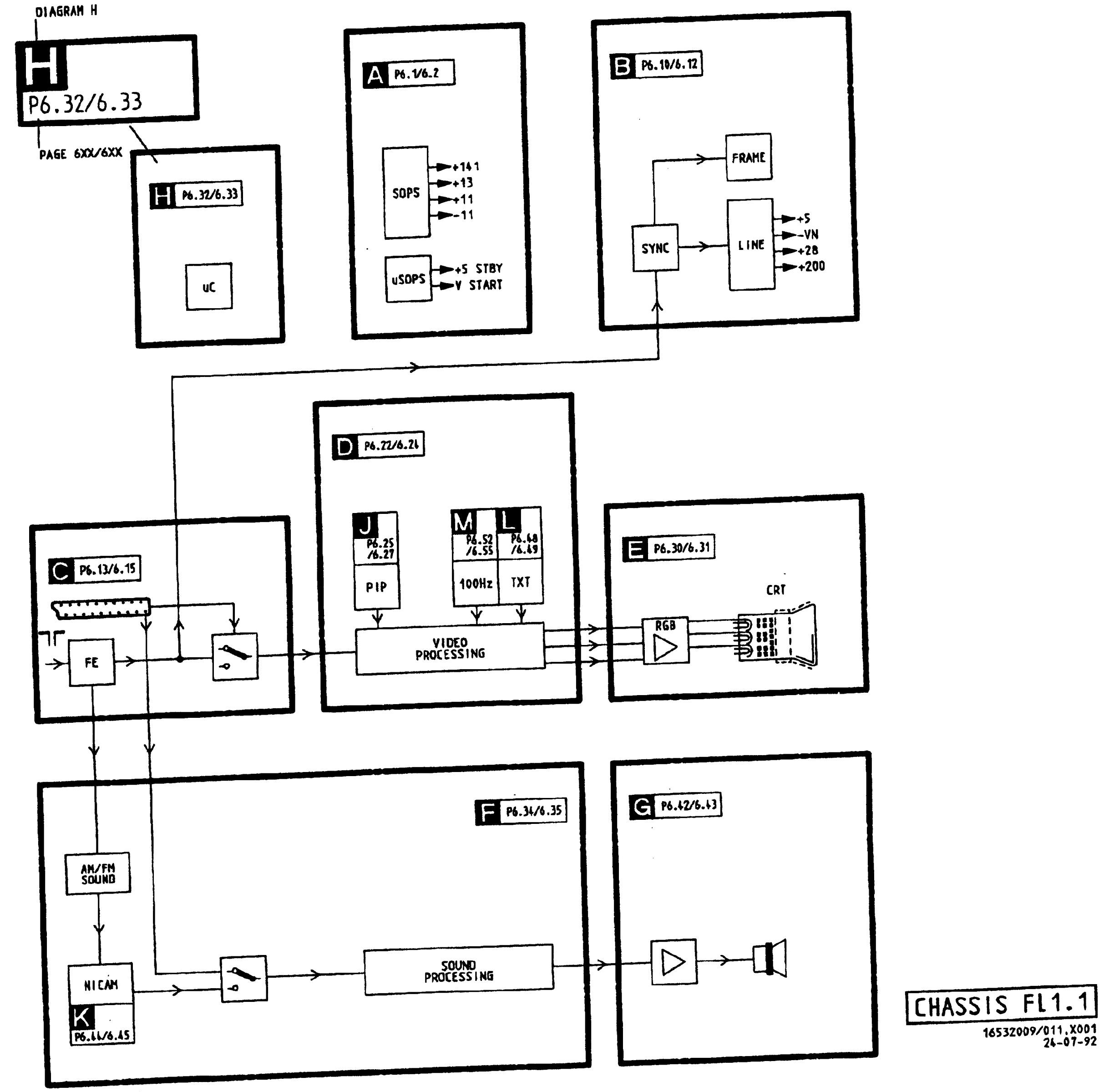
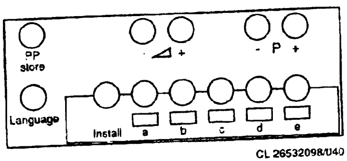


DIAGRAM H
H
P6.32/6.33
PAGE 6XX/6XX
H P6.32/6.33
uC
A P6.1/6.2
SOPS
+141
+13
+11
-11
uSOPS
+5 STBY
V START
B P6.10/6.12
FRAME
SYNC
LINE
+5
-VN
+28
+200
D P6.22/6.24
J P6.25 /6.27
PIP
M P6.52 /6.55
L P6.48 /6.49
100Hz
TXT
VIDEO PROCESSING
C P6.13/6.15
FE
E P6.30/6.31
CRT
RGB
F P6.34/6.35
AM/FM SOUND
NICAM
K P6.44/6.45
SOUND PROCESSING
G P6.42/6.43
CHASSIS FL1.1
16532009/011.X001
24-07-92

Technical data

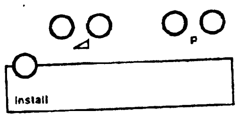
Mains voltage	: 220 - 240 V (± 10%) : 50 Hz - 60 Hz (± 5%)
Aerial input impedance	: 75 Ω - koaxial
Minimum aerial voltage	: 30 µV (VHF), 40 µV (UHF)
Maximum aerial voltage VHF/S/UHF	: 180 µV
Pull-in range colour synchronization	: ± 300 Hz
Pull-in range horizontal synchronization	: +200 Hz/-300Hz
Programmes	: 0 - 59
VCR programmes	: 0, 00, 50 - 59

Local operation functions:


PP
store
- P +
Language
Install
a
b
c
d
e

CL 26532098/040
140792

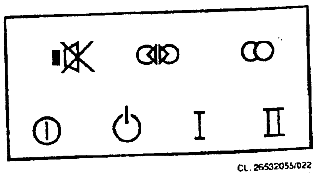
FL1.1



CL. 26532055/021
040592

FL1.7

Indications:
- On Screen Display (OSD)
- LED:

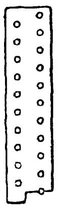


CL. 26532055/022
040592

Connection facilities

1. Specification of the connectors

EXT1 (AUX)



1 -Audio ⊖→ R (0,5V_{RMS} ≤ 1kΩ)
2 -Audio →⊖ R (0,2 - 2V_{RMS} ≥ 10kΩ)
3 -Audio ⊖→ L (0,5V_{RMS} ≤ 1kΩ)
4 -Audio ⊥
5 -Blue ⊥
6 -Audio →⊖ L (0,2 - 2V_{RMS} ≥ 10kΩ)
7 -Blue (0,7V_{pp}/75Ω)
8 -CVBS-status 1 →⊖ 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 -Green ⊥
10 --
11 -Green (0,7V_{pp}/75Ω)
12 --
13 -Red ⊥
14 --
15 -Red (0,7V_{pp}/75Ω)
16 -RGB-status (0-0,4V: int. 1-3V ext. 75Ω
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS ⊖→ (1V_{pp}/75Ω)
20 -CVBS →⊖ (1V_{pp}/75Ω)
21 -Earthscreen

EXT3 (front)

SVHS[1] 1 - ⊥
2 - ⊥
3 - Y →⊖ (1V_{pp}; 75Ω)
4 - C →⊖ (0,3V_{pp}; 75Ω)

◎ CINCH Video →⊖ 300mV_{pp}/75Ω[1]
◎ CINCH Audio →⊖ L (0,5V_{RMS}; ≥ 10kΩ)[1]
◎ CINCH Audio →⊖ R (0,5V_{RMS}; ≥ 10kΩ)[1]

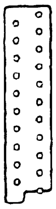
◎ 3.5mm 32-2000Ω ≥ 10mW

Audio out (rear)

◎ CINCH Audio ⊖→ L (0,5V_{RMS}; ≤ 1kΩ)
◎ CINCH Audio ⊖→ R (0,5V_{RMS}; ≤ 1kΩ)

front : 2 x 16W / 8Ω[1]
rear : 2 x 6W / 8Ω[1]

EXT2 (VCR)



1 -Audio ⊖→ R (0,5V_{RMS} ≤ 1kΩ)
2 -Audio →⊖ R (0,2 - 2V_{RMS} ≥ 10kΩ)
3 -Audio ⊖→ L (0,5V_{RMS} ≤ 1kΩ)
4 -Audio ⊥
5 -
6 -Audio →⊖ L (0,2 - 2V_{RMS} ≥ 10kΩ)
7 --
8 -CVBS-status 2 →⊖ 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 --
10 --
11 --
12 --
13 --
14 --
15 --
16 --
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS →⊖ (1V_{pp}/75Ω)
20 -CVBS →⊖ (1V_{pp}/75Ω)
21 -Earthscreen

EXT2 (SVHS) (rear)

SVHS 1 - ⊥
2 - ⊥
3 - Y →⊖ (1V_{pp}; 75Ω)
4 - C →⊖ (0,3V_{pp}; 75Ω)

◎ CINCH Audio →⊖ L (0,5V_{RMS}; ≥ 10kΩ)
◎ CINCH Audio →⊖ R (0,5V_{RMS}; ≥ 10kΩ)

SVHS[1] 1 - ⊥
2 - ⊥
3 - Y ⊖→ (1V_{pp}; 75Ω)
4 - C ⊖→ (0,3V_{pp}; 75Ω)

◎ CINCH Audio ⊖→ L (0,5V_{RMS}; ≤ 1kΩ)[1]
◎ CINCH Audio ⊖→ R (0,5V_{RMS}; ≤ 1kΩ)[1]

---

[1] Only for FL1.1.

2.2 CHASSIS FL1.1 Connection facilities

2. Connection of equipment

When an SVHS source is connected to EXT2' (SVHS) or EXT3 (SVHS) the CVBS at these inputs is switched off. To reproduce the CVBS signal from these inputs, the particular SVHS plug must first be removed.

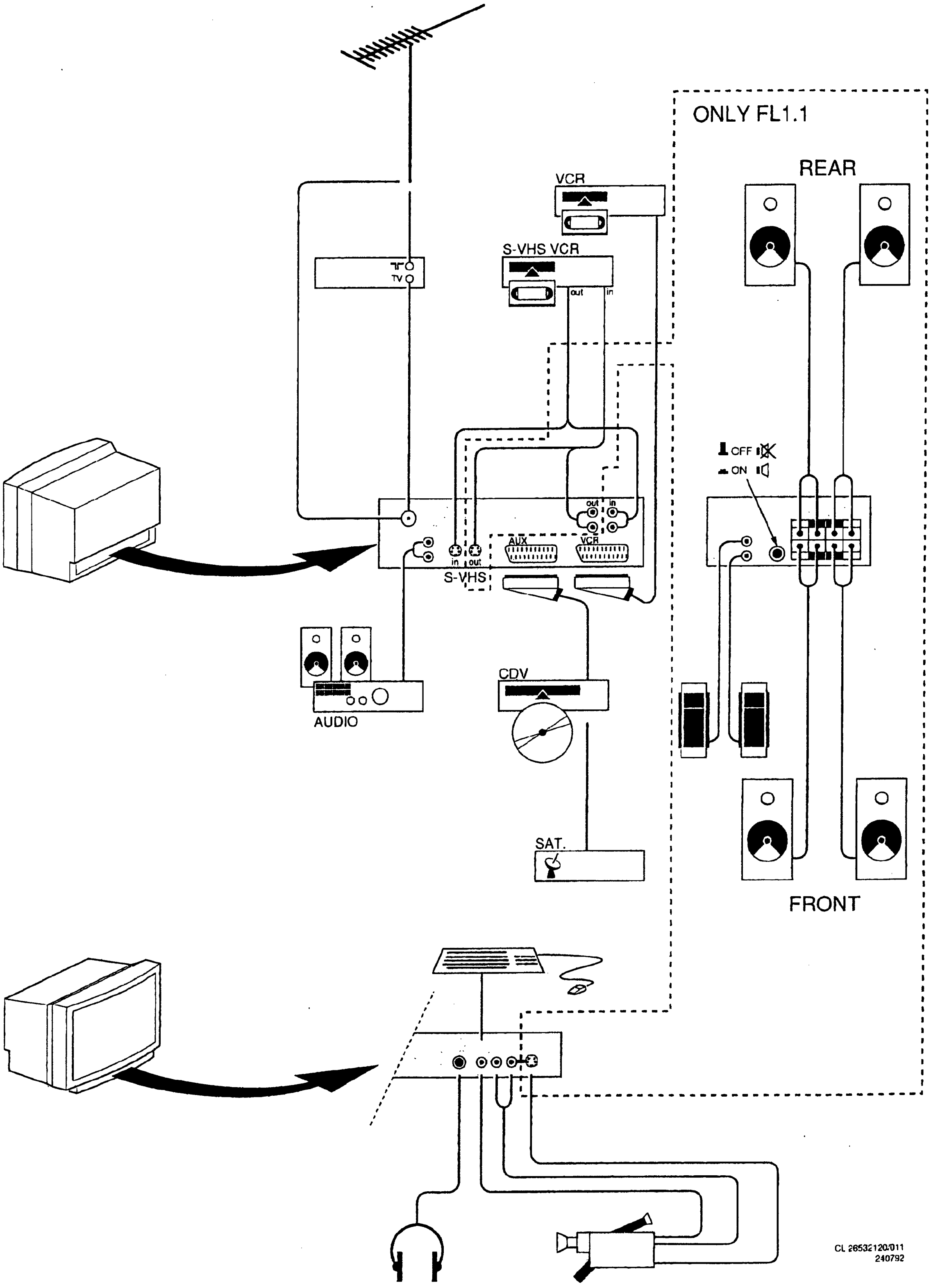

ONLY FL1.1
REAR
VCR
S-VHS VCR
out
in
TV
OFF
ON
out
in
AUX
VCR
in
out
S-VHS
AUDIO
CDV
SAT.
FRONT
CL 26532120/011
240792

Fig. 2.1

Warnings

1. Safety regulations require that the unit should be returned in its original condition and that components identical to the original components are used. The safety components are indicated by the symbol ⚠.

2. In order to prevent damage to ICs and transistors, all high-voltage flashovers must be avoided. In order to prevent damage to the picture tube, the method shown in Fig.1 should be used to discharge the picture tube. Use a high-voltage probe and a multimeter (position DC-V). Discharge until the meter reading is 0V (after approx. 30s).

3. **ESD** ⚠
   All ICs and many other semiconductors are sensitive to electrostatic discharges (ESD). Careless handling during repair can drastically shorten the life. Make sure that during repair you are connected by a pulse band with resistance to the same potential as the earth of the unit. Keep components and tools also at this same potential.

4. When repairing a unit, always connect it to the mains voltage via an isolating transformer.

5. Be careful when taking measurements in the high-voltage section and on the picture tube.

6. Never replace modules or other components while the unit is switched on.

7. It is recommended that safety goggles are worn when replacing the picture tube.

8. When making settings, use plastic rather than metal tools.
   This will prevent any short circuits and the danger of a circuit becoming unstable.

9. After repair the wiring should be fastened once more in the cable clamps for this purpose.

10. In order to prevent measuring errors, the heat sinks should not be used as reference points for measurements.
    The heat sink for the sound output amplifier (next to the channel selector) is connected to the -16 or -12 volts.

11. On this unit the 140 volt supply voltage is not supplied via an interconnection on the deflection yoke to the line output transformer. When the deflection cable is detached, the +140 volt supply remains loaded. In order to unload the +140 volts, coil 5511 should be removed.

12. Together with the deflection unit and any multipole unit, the flat square picture tubes used form an integrated unit. The deflection and the multipole units are set optimally at the factory. Adjustment of this unit during repair is therefore not recommended.

Notes

1. The direct voltages and oscillograms should be measured with regard to the tuner earth (⊥), or hot earth (⊥↯) as this is called.

2. The direct voltages and oscillograms shown in the diagrams should be measured in the Service Default Mode (see chapter 8) with a colour bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz.

3. Where necessary, the oscillograms and direct voltages are measured with (┐┌) and without aerial signal (✕). Voltages in the power supply section are measured both for normal operation (⌽) and in standby (⏻). These values are indicated by means of the appropriate symbols.

4. The picture tube PCB has printed spark gaps. Each spark gap is connected between an electrode of the picture tube and the Aquadag coating.

5. The semiconductors indicated in the circuit diagram and in the parts lists are completely interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.

6. The connectors used for the modules (board to board) are gold-plated and should only be replaced by the same type.

7. In the case of error searching and/or repair to the PIP module, the accessibility of the circuit and the components can be increased by using extension cards.
   5 times: 4822 395 30261
   10 times: 4822 395 30257

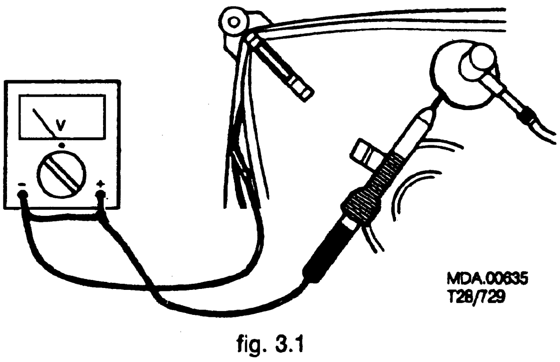


fig. 3.1

ȷ be
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bar
: unless
25 MHz.

ct
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dicated

ɔs. Each
ȷe of

diagram

ıe type

ȷ to
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ıd the
nsion

Mechanical instructions

1. Removing the back plate (Fig. 4.1)

Remove cover A from the back plate.
Remove connector B (L36) of the subwoofer.
Remove attachment screws C from the back plate.
Remove the back plate with the subwoofer fitted in it.
Attach the back plate by carrying out the above in the reverse order.

2. Service position to measure test points (Fig. 4.2)

Unlock the chassis panels by pressing locks D.
Pull both chassis panels backwards at the same time until all measuring points are accessible.

3. Service position for repair (Fig. 4.3)

Remove the LED display E (see Fig. 4.3) of the large signal panel.
Tilt the back of the two panels and attach both panels using brackets F situated on the underside of the small signal panel, at an angle of 90° to one another.

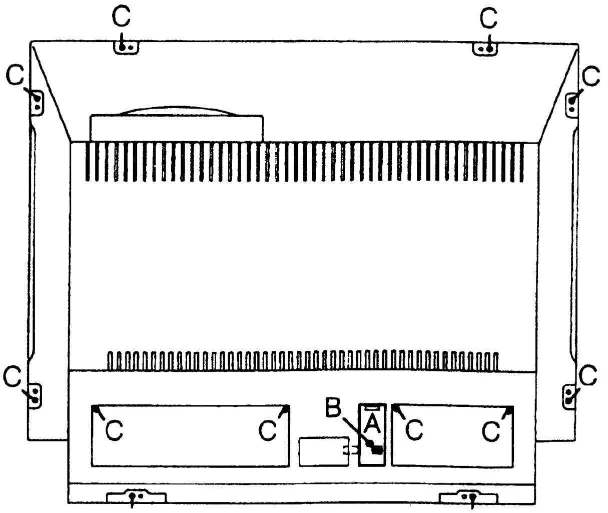
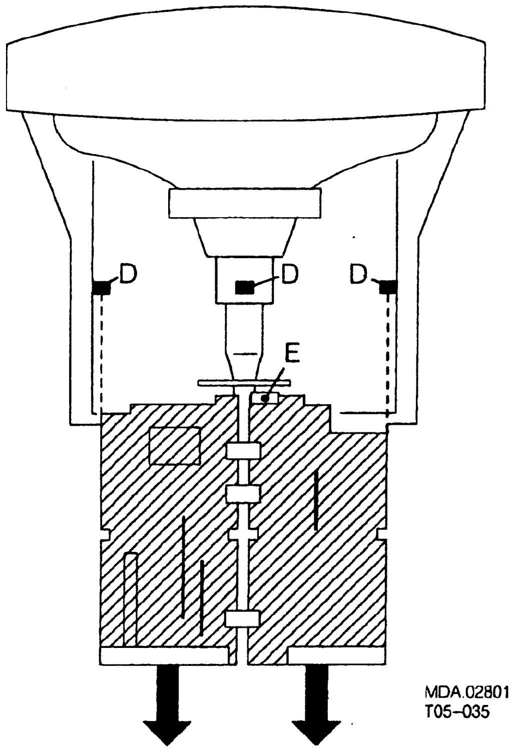


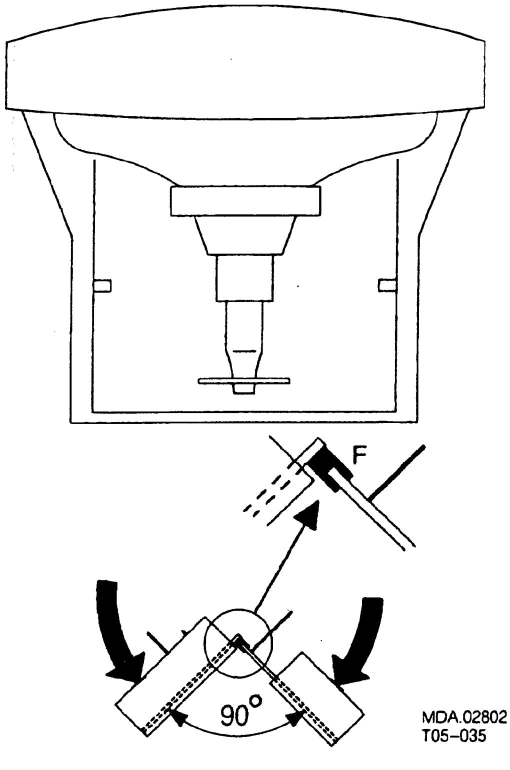
Fig. 4.1

MDA.02803
T05-035



MDA.02801
T05-035

Fig. 4.2

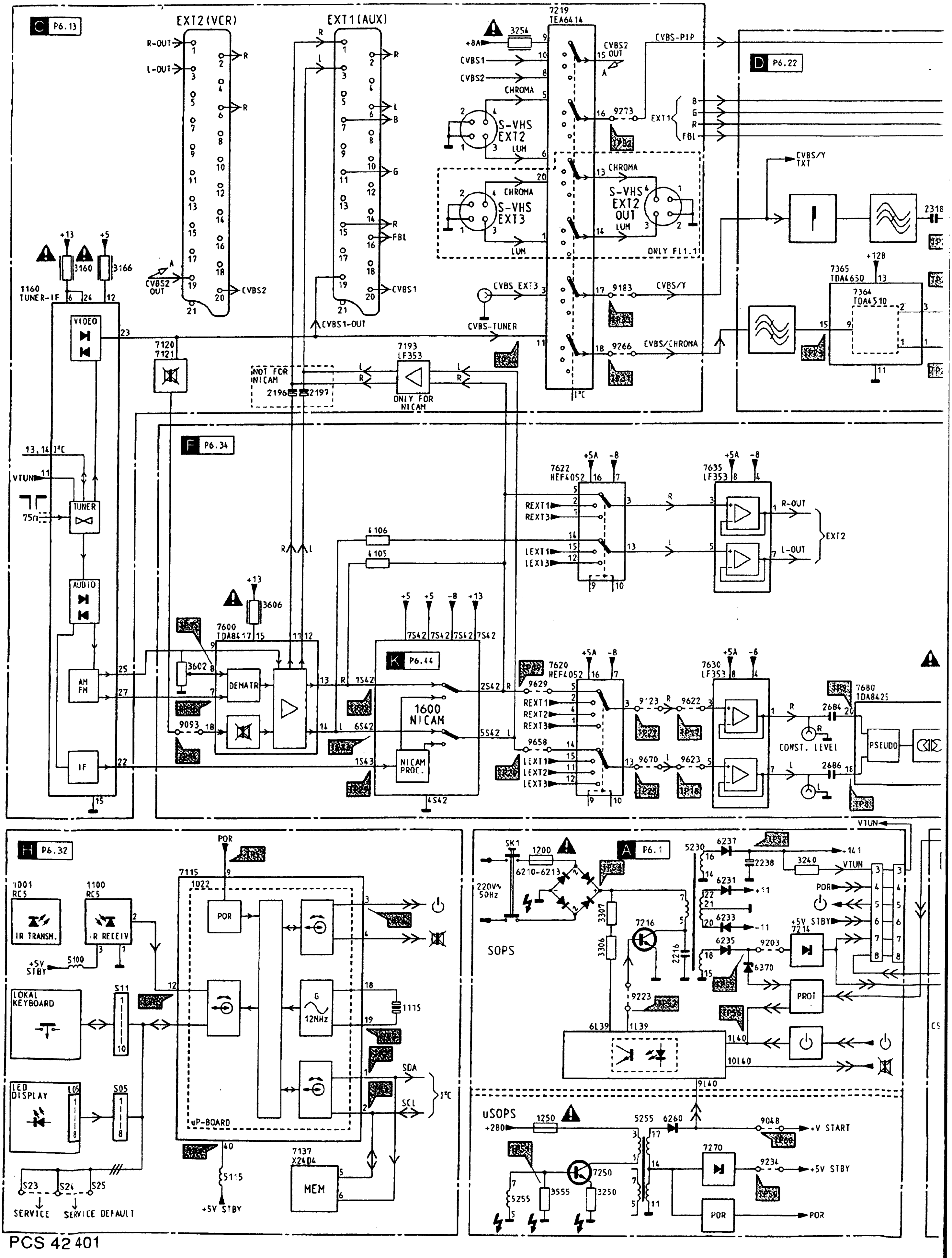


MDA.02802
T05-035

Fig. 4.3

Blockdiagram / Blockschaltbild /

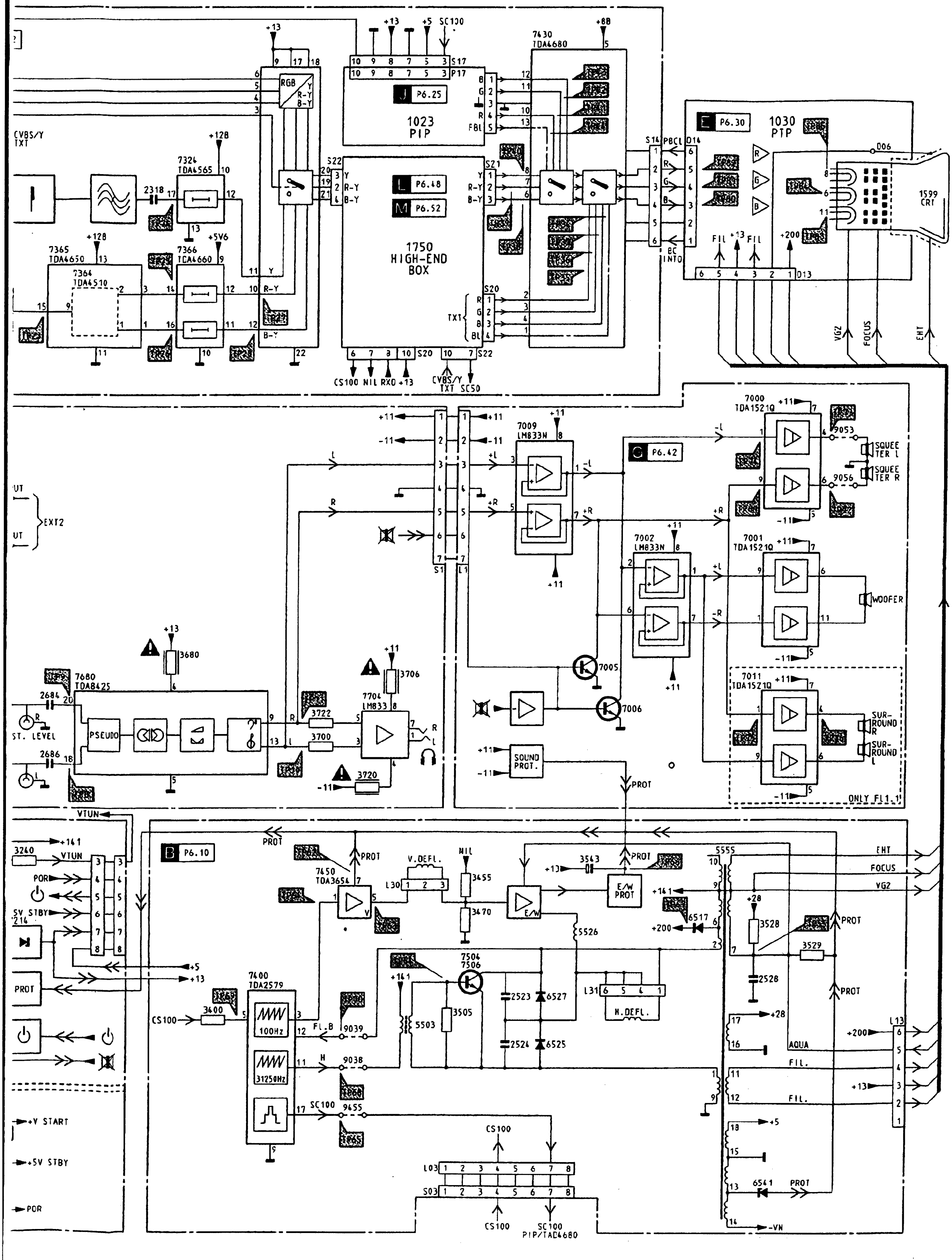
CHASSIS FL1.1 **5.1** **5.2**


C P6.13
EXT2(VCR)
EXT1(AUX)
R-OUT
L-OUT
CVBS2 OUT
CVBS2
CVBS1
CVBS1-OUT
FBL
1160 TUNER-IF
VIDEO
TUNER
AUDIO
AM FM
IF
VTUN
75Ω
13,14 I²C
7120 7121
NOT FOR NICAM
2196 2197
7193 LF353
ONLY FOR NICAM
7219 TEA6414
3254
+8A
CVBS-PIP
CHROMA
S-VHS EXT2
LUM
S-VHS EXT3
S-VHS EXT2 OUT
ONLY FL1.1
CVBS EXT3
CVBS-TUNER
CVBS/Y
CVBS/CHROMA
9273
9183
9266
D P6.22
CVBS/Y TXT
7365 TDA4650
7364 TDA4510
+12B
2318
F P6.34
7622 HEF4052
REXT1
REXT3
LEXT1
LEXT3
7635 LF353
EXT2
4106
4105
7600 TDA8417
3606
3602
DEMATR
9093
K P6.44
7S42
1600 NICAM
NICAM PROC.
7620 HEF4052
REXT2
LEXT2
9629
9658
9123
9622
9670
9623
7630 LF353
7680 TDA8425
2684
2686
CONST. LEVEL
PSEUDO
H P6.32
1001 RC5 IR TRANSM.
1100 RC5 IR RECEIV
+5V STBY
5100
LOKAL KEYBOARD
S11
LED DISPLAY
L05
S05
S23 S24 S25
SERVICE
SERVICE DEFAULT
7115
1022
POR
12MHz
1115
uP-BOARD
SDA
SCL
I²C
7137 X2404
MEM
5115
A P6.1
SK1
1200
6210-6213
220V~ 50Hz
SOPS
5230
6237
2238
3240
+141
6231
6233
6235
9203
6370
7214
PROT
3307
3306
7216
2216
9223
6L39
1L39
1L40
10L40
9L40
uSOPS
+280
1250
5255
6260
9048
+V START
7270
9234
7250
3555
3250
5255
POR

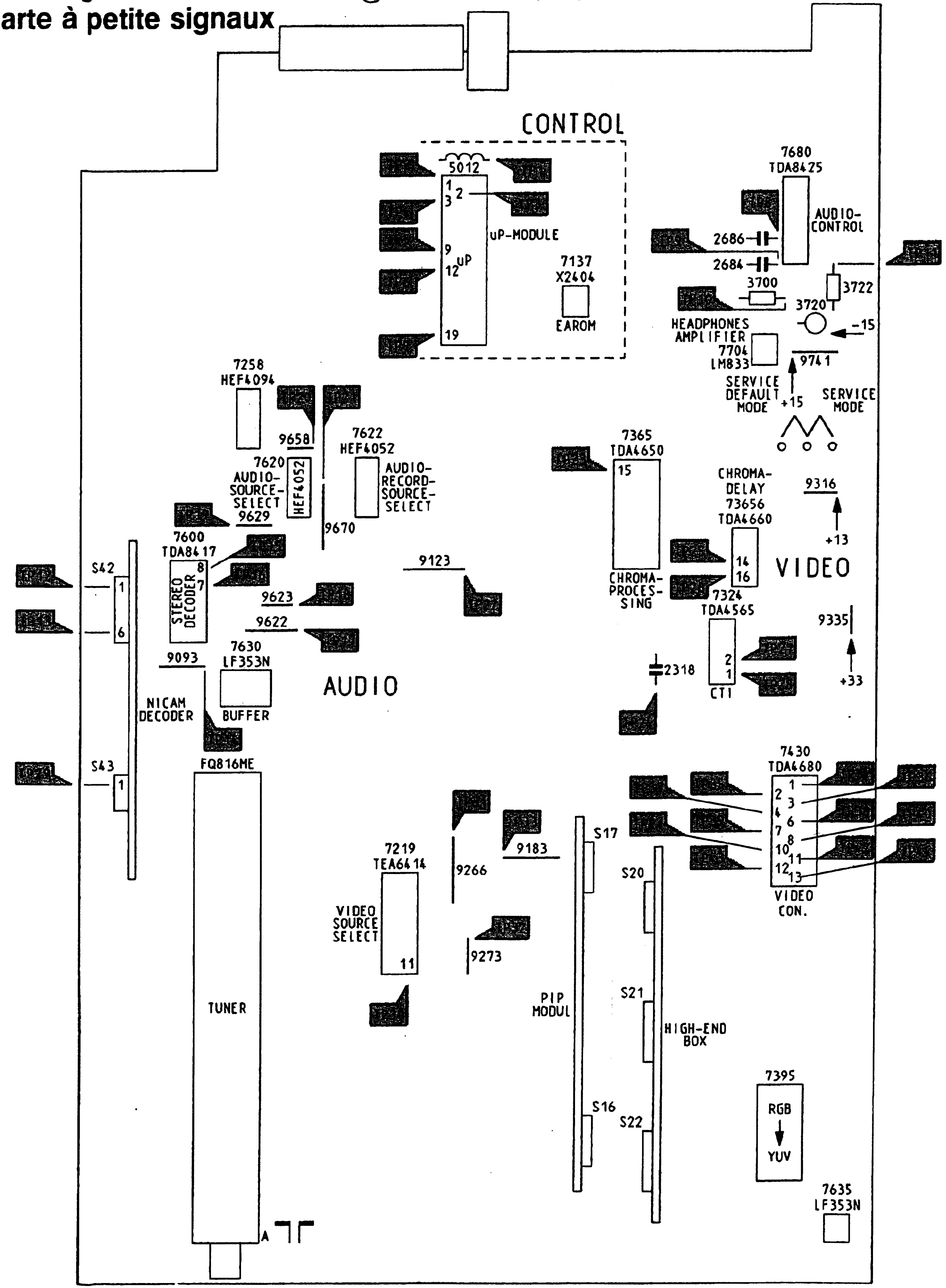
PCS 42 401

5.1 **5.2** **CHASSIS FL 1.1**

Diagramme schématique

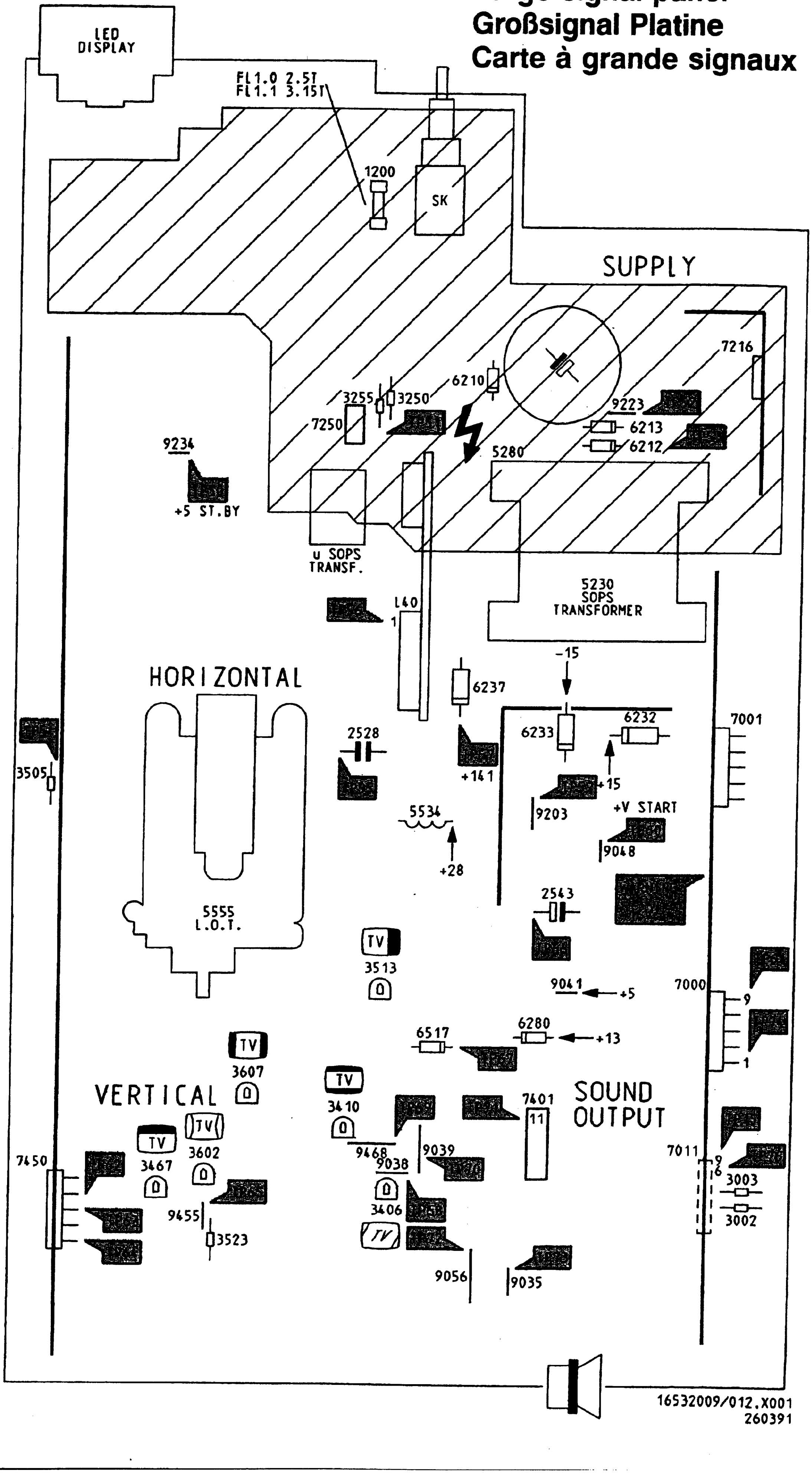

CVBS/Y TXT
7324 TDA4565
2318
+12B
7365 TDA4650
7364 TDA4510
7366 TDA4660
+5V6
RGB
Y R-Y B-Y
+13
+5
SC100
S17
P17
J P6.25
1023 PIP
S22
S21
L P6.48
M P6.52
1750 HIGH-END BOX
S20
TXT
CS100 NIL RXD +13
CVBS/Y TXT SC50
7430 TDA4680
+8B
S14
PBCL
D14
BC INTO
E P6.30
1030 PTP
D06
1599 CRT
FIL
+200
D13
VG2
FOCUS
EHT
EXT2
+11
-11
S1
L1
L
R
7009 LM833N
G P6.42
7000 TDA1521Q
9053
SQUEE TER L
9056
SQUEE TER R
7002 LM833N
7001 TDA1521Q
WOOFER
7005
7006
7011 TDA1521Q
SUR-ROUND R
SUR-ROUND L
ONLY FL1.1
SOUND PROT.
PROT
3680
7680 TDA8425
2684
ST. LEVEL
2686
PSEUDO
3722
3700
7704 LM833
3706
3720
VTUN
+141
3260
POR
5V STBY
+5
+13
B P6.10
7450 TDA3654
V.DEFL.
L30
NIL
3455
3470
3543
E/W PROT
E/W
5555
EHT
FOCUS
VG2
+28
3528
6517
5526
7504 7506
3529
2528
L31
H.DEFL.
2523
6527
2524
6525
5503
3505
7400 TDA2579
3400
CS100
100Hz
31250Hz
FL.B
9039
H
9038
SC100
9455
AQUA
L13
FIL.
+V START
+5V STBY
POR
L03
S03
CS100
SC100 PIP/TAD4680
6541
-VN

Small signal panel
Klein-signal Platte
Carte à petite signaux


CONTROL
5012
1
3
2
uP-MODULE
9
12
uP
19
7137
X2404
EAROM
7680
TDA8425
AUDIO-
CONTROL
2686
2684
3700
3720
3722
HEADPHONES
AMPLIFIER
7704
LM833
-15
9741
SERVICE
DEFAULT
MODE
+15
SERVICE
MODE
7258
HEF4094
9658
7620
AUDIO-
SOURCE-
SELECT
9629
HEF4052
7622
HEF4052
AUDIO-
RECORD-
SOURCE-
SELECT
9670
7365
TDA4650
15
CHROMA-
PROCES-
SING
CHROMA-
DELAY
73656
TDA4660
14
16
9316
+13
VIDEO
7324
TDA4565
2
1
CTI
9335
+33
2318
7600
TDA8417
8
7
STEREO
DECODER
S42
1
6
9123
9623
9622
9093
7630
LF353N
BUFFER
AUDIO
NICAM
DECODER
S43
1
FQ816ME
TUNER
A
7430
TDA4680
1
2
3
4
6
7
8
10
11
12
13
VIDEO
CON.
9183
9266
S17
S20
7219
TEA6414
VIDEO
SOURCE
SELECT
11
9273
PIP
MODUL
S21
HIGH-END
BOX
S16
S22
7395
RGB
YUV
7635
LF353N

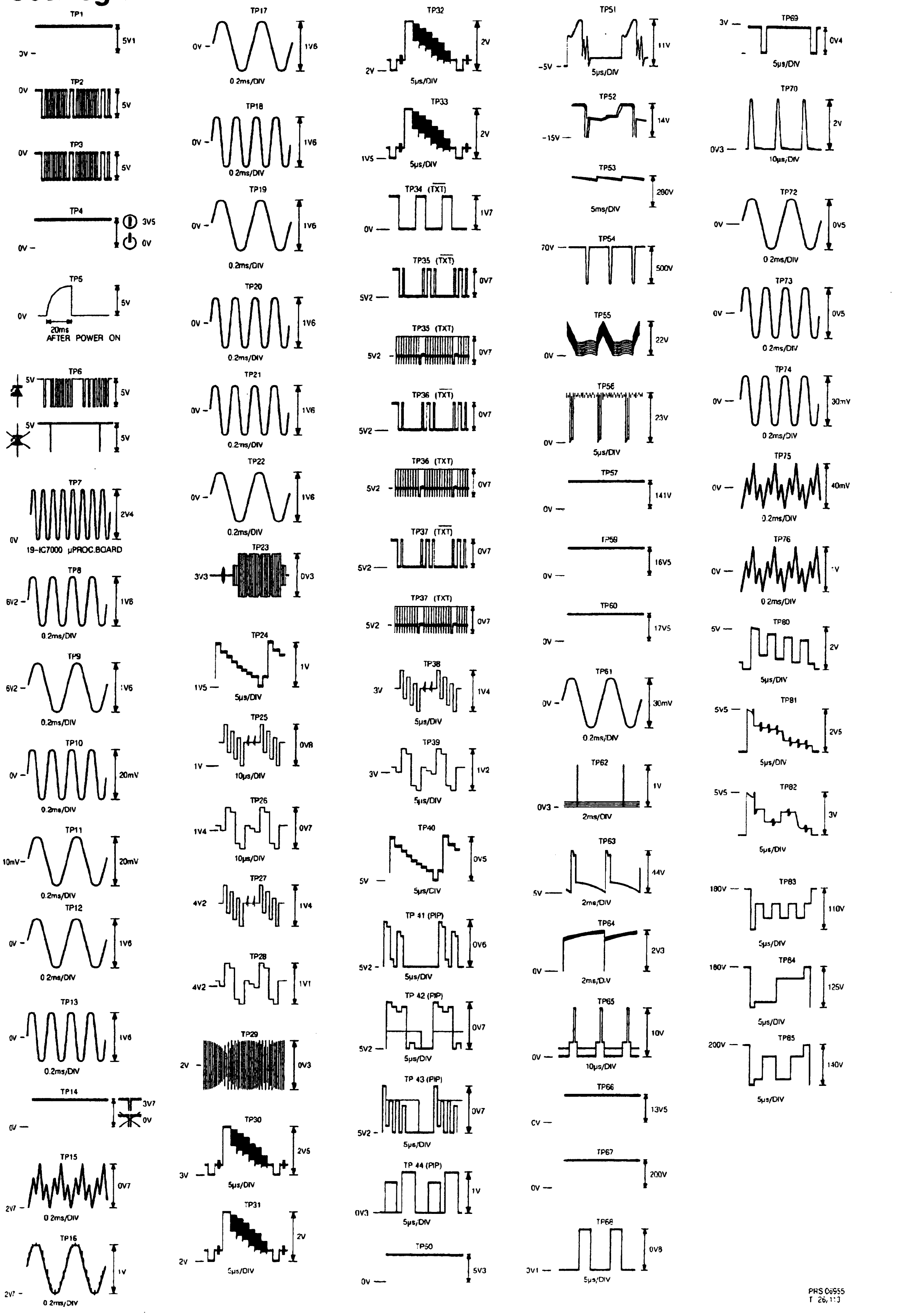
16532009/013.X001
120391

Large signal panel
Großsignal Platine
Carte à grande signaux


LED DISPLAY
FL1.0 2.5T
FL1.1 3.15T
1200
SK
SUPPLY
7216
6210
3255
3250
7250
9223
6213
6212
5280
9234
+5 ST.BY
u SOPS TRANSF.
5230 SOPS TRANSFORMER
L40
1
HORIZONTAL
-15
6237
6232
6233
7001
2528
+141
+15
3505
5534
9203
+V START
9048
+28
2543
5555 L.O.T.
TV
3513
9041
+5
7000
9
6280
6517
+13
1
TV
3607
VERTICAL
TV
3410
7401
11
SOUND OUTPUT
TV
3602
TV
3467
7450
9468
9038
9039
7011
9
6
3003
3002
9455
3523
3406
TV
9056
9035

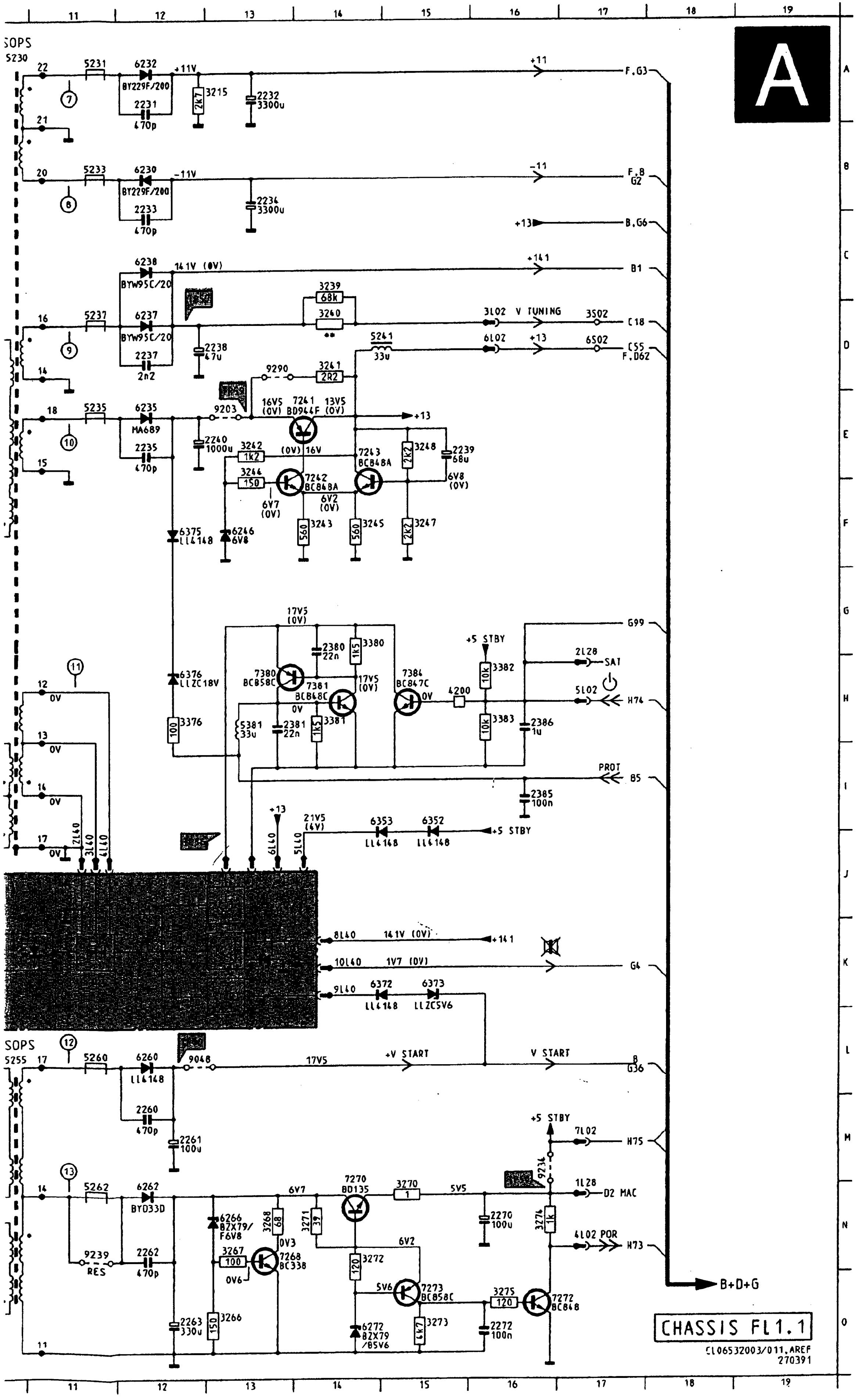
16532009/012.X001
260391

Oscillograms



PRS C6955
T 26.1.3

Power supply Stromversorgung


A
11
12
13
14
15
16
17
18
19
SOPS
5230
22
21
20
16
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0V
⑦
⑥
⑨
⑩
⑪
⑫
⑬
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BY229F/200
2231
470p
+11V
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2k7
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3300u
+11
F,G3
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6230
BY229F/200
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470p
-11V
2234
3300u
-11
F,B
G2
+13
B,G6
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BYW95C/20
141V (0V)
+141
B1
5237
6237
BYW95C/20
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2n2
2238
47u
3239
68k
3240
**
3L02
V TUNING
3S02
C18
6L02
+13
6S02
C55
F,D62
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33u
9290
3241
2R2
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MA689
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7241
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13V5
(0V)
+13
3242
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(0V)
16V
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3248
2k2
2239
68u
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150
7242
BC848A
6V8
(0V)
6V7
(0V)
6V2
(0V)
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6246
6V8
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3243
560
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17V5
(0V)
2380
22n
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1k5
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LLZC18V
7380
BC858C
7381
BC848C
17V5
(0V)
7384
BC847C
0V
+5 STBY
3382
10k
4200
G99
2L28
SAT
5L02
H74
3376
100
5381
33u
2381
22n
0V
1k5
3381
3383
10k
2386
1u
PROT
B5
2385
100n
+13
21V5
(4V)
6353
LL4148
6352
LL4148
+5 STBY
2L40
3L40
4L40
6L40
5L40
8L40
141V (0V)
+141
10L40
1V7 (0V)
G4
9L40
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LL4148
6373
LLZC5V6
SOPS
5255
17
5260
6260
LL4148
9048
17V5
+V START
V START
B
G36
2260
470p
2261
100u
+5 STBY
7L02
H75
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5262
6262
BYD33D
6V7
7270
BD135
3270
1
5V5
1L28
D2 MAC
2270
100u
3274
1k
4L02 POR
H73
6266
BZX79/
F6V8
3268
68
3271
39
0V3
6V2
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RES
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470p
3267
100
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BC338
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4k7
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100n
11
B+D+G
A
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H
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J
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L
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N
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CHASSIS FL1.1

CL06532003/011.AREF
270391

1200	B 2	7216	F 9
1250	L 9	7241	E14
2200	C 2	7242	E14
2202	B 4	7243	E14
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2205	B 3	7251	N 9
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2215	I 9	7273	O15
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2231	A12	7381	H14
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2237	D12	9205	B 7
2238	D12	9206	C 7
2239	E15	9223	H 8
2240	E12	9234	M16
2254	M10	9239	N11
2255	N 9	9290	D13
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2261	M12		
2262	N12		
2263	O12		
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2272	O16		
2380	G14		
2381	H13		
2385	I 16		
2386	H16		
3201	C 1		
3202	I 9		
3204	C 6		
3204	B 6		
3205	C 6		
3209	C 7		
3210	C 8		
3211	B 8		
3212	N 6		
3213	D 6		
3215	A13		
3216	G10		
3239	C14		
3240	D14		
3241	D14		
3242	E13		
3243	F14		
3244	E13		
3245	F14		
3247	F15		
3248	E15		
3249	M 9		
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3251	N 8		
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3253	L10		
3255	N 9		
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3267	N13		
3268	N13		
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3275	O16		
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6238	C12		
6246	F13		
6251	O 9		
6260	L12		
6262	N12		
6266	N13		
6272	O14		
6306	H 7		
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6353	I 14		
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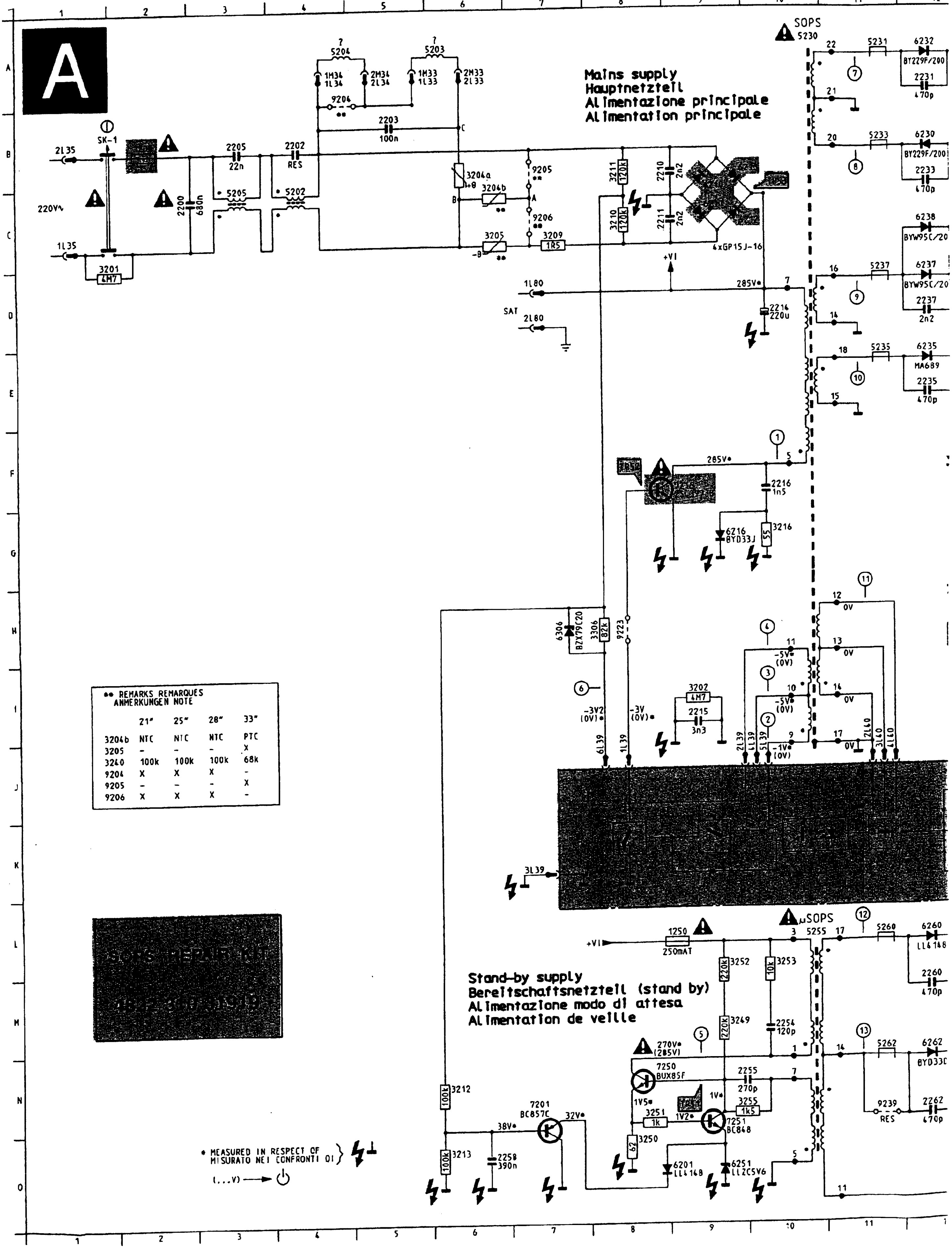
6373	K15		
6375	F12		
6376	H12		
7201	N 7		

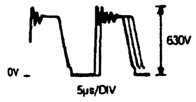

A
Mains supply
Hauptnetzteil
Alimentazione principale
Alimentation principale
Stand-by supply
Bereitschaftsnetzteil (stand by)
Alimentazione modo di attesa
Alimentation de veille
SOPS 5230
µSOPS 5255
SOPS REPAIR KIT
2L35
SK-1
1L35
220V∿
3201 4M7
2200 680n
2205 22n
5205
2202 RES
5202
5204
1M34 1L34
2M34 2L34
5203
1M33 1L33
2M33 2L33
9204
2203 100n
3204a +θ
3204b
3205 -θ
9205
9206
3209 1R5
3211 120k
3210 120k
2210 2n2
2211 2n2
4xGP15J-16
+VI
1L80
SAT
2L80
285V•
2214 220u
2216 1n5
6216 BYD33J
3216 55
6306 BZX79C20
3306 82k
9223
-3V2 (0V)•
-3V (0V)•
6L39
1L39
3202 4M7
2215 3n3
2L39
5L39
2L40
3L40
4L40
3L39
-5V• (0V)
-1V• (0V)
0V
5231
6232 BY229F/200
2231 470p
5233
6230 BY229F/200
2233 470p
6238 BYW95C/20
5237
6237 BYW95C/20
2237 2n2
5235
6235 MA689
2235 470p
1250 250mAT
3252 220k
3253 10k
3249 220k
2254 120p
270V• (285V)
7250 BUX85F
2255 270p
3255 1k5
1V•
1V5•
3251 1k
1V2•
7251 BC848
3250 62
6201 LL4148
6251 LLZC5V6
3212 100k
3213 100k
2258 390n
7201 BC857C
38V•
32V•
5260
6260 LL4148
2260 470p
5262
6262 BYD33D
9239 RES
2262 470p
• MEASURED IN RESPECT OF
MISURATO NEI CONFRONTI DI
(...V)

** REMARKS REMARQUES
ANMERKUNGEN NOTE

	21"	25"	28"	33"
3204b	NTC	NTC	NTC	PTC
3205	-	-	-	X
3240	100k	100k	100k	68k
9204	X	X	X	-
9205	-	-	-	X
9206	X	X	X	-

L'alimentation

1



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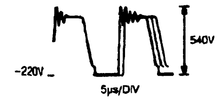

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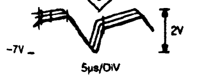

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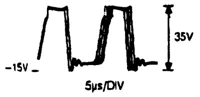

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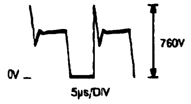

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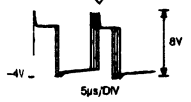

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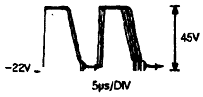

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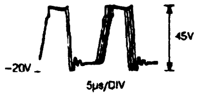

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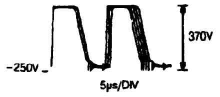

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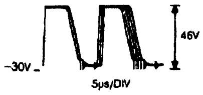

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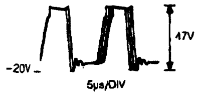

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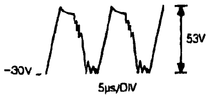

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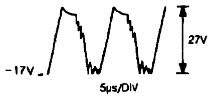
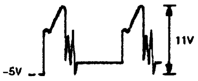


TP 50

TP 51



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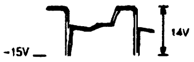

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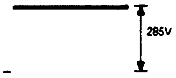

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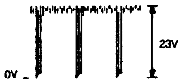

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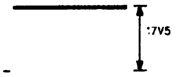
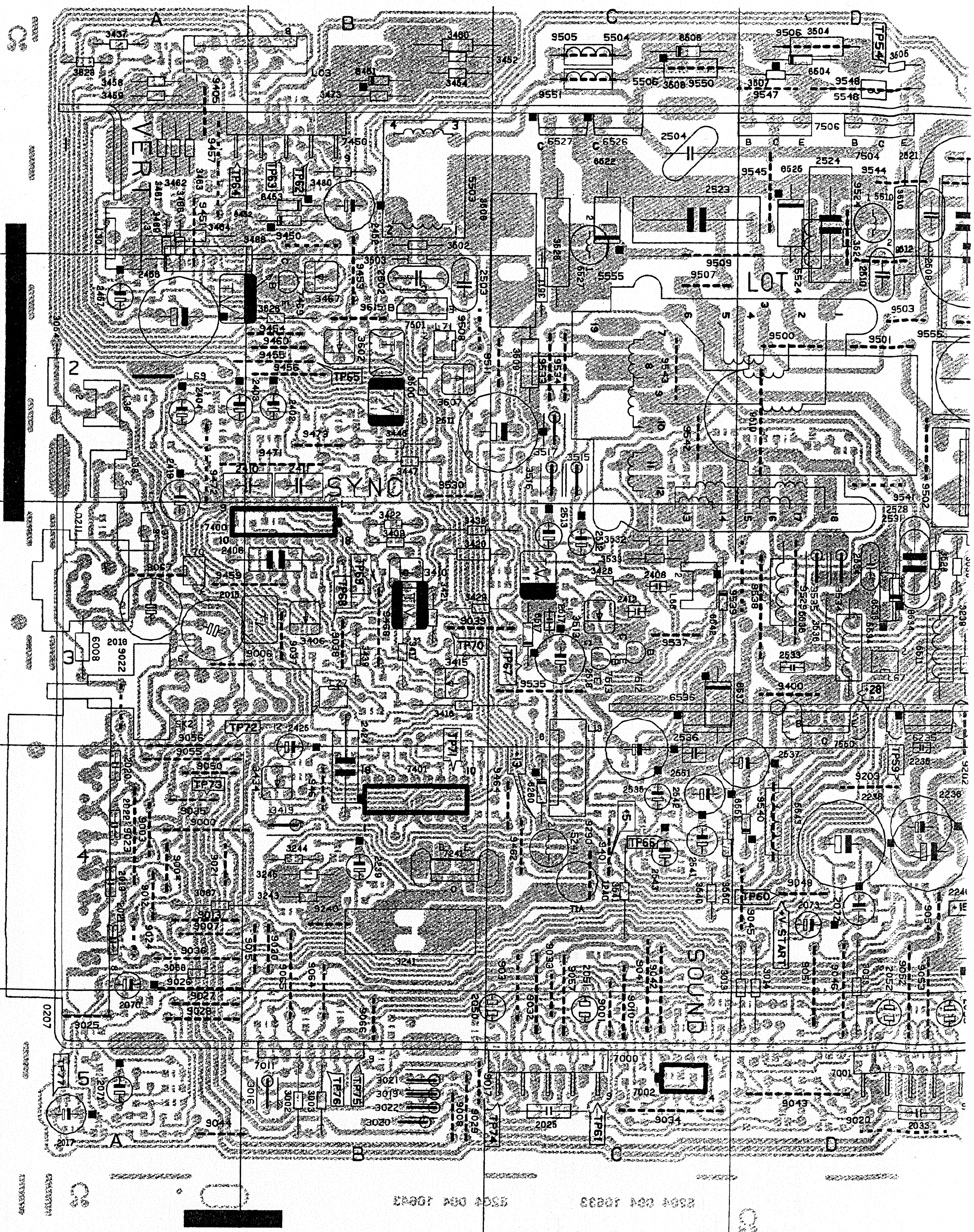
TP 59

TP 60



PRS 06958
T-26/113

Large signal panel Groß-signal Platine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L67
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7504
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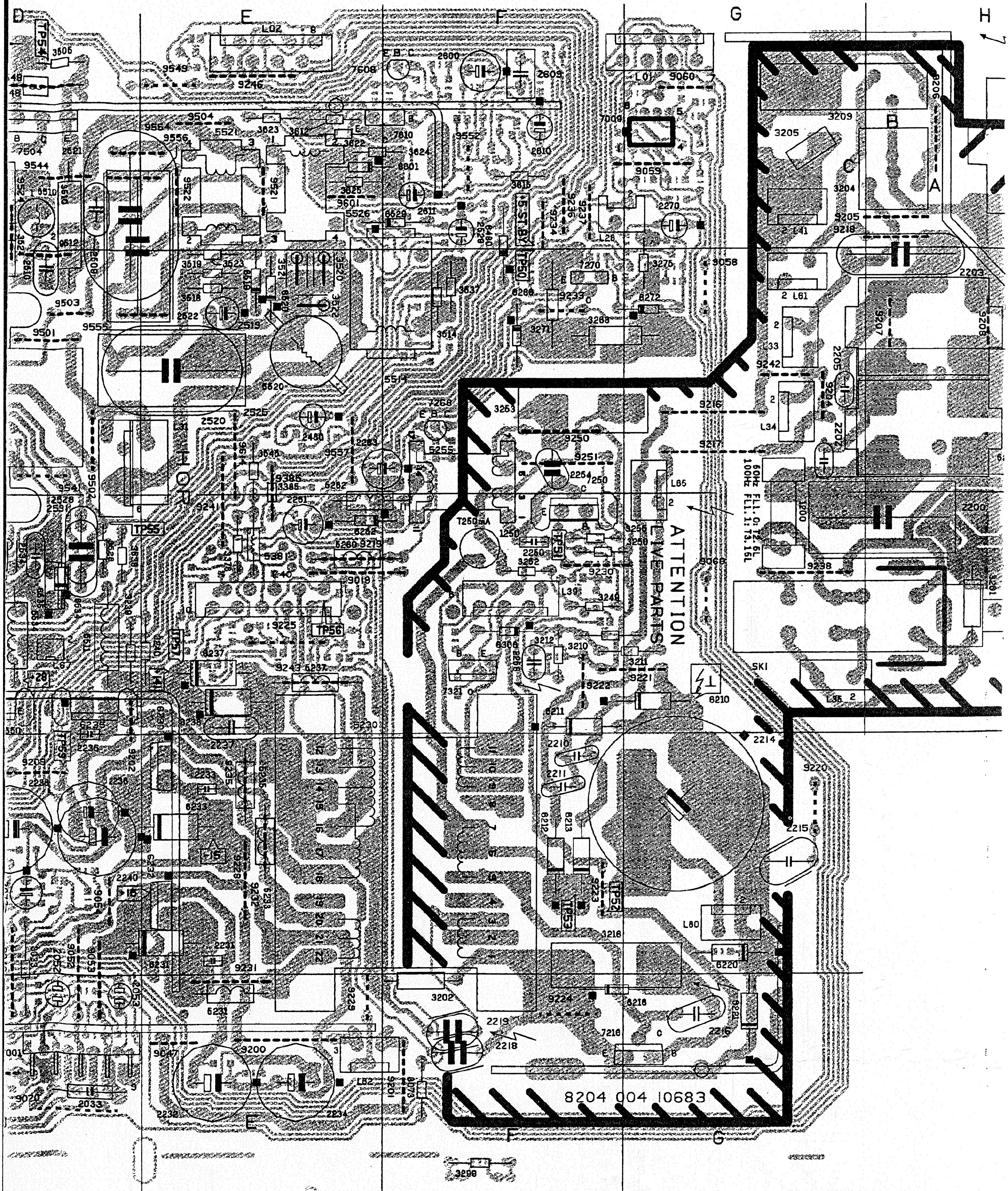
Platine forts signeaux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L28
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9218
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L41
L61
9207
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L33
9242
2205
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L34
2202
9216
9217
60Hz FL1.0:T2.6L
100Hz FL1.1:T3.16L
ATTENTION
LIVE PARTS
L65
2200
3200
9238
SKI
L35
3253
7268
5255
9250
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2254
1250
T250mA
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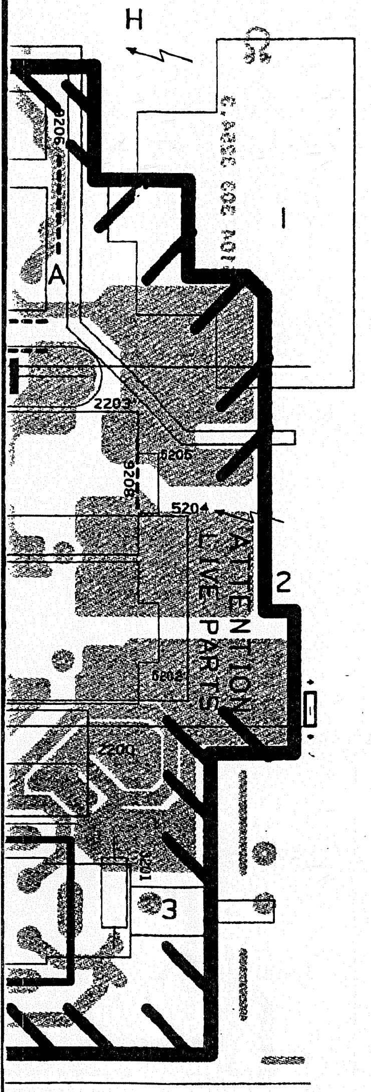

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040	H4
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L02	E1
L03	A1
L13	C4
L27	B3
L28	G1
L30	A1
L31	E2
L33	G2
L34	G2
L35	G3
L36	A2
L37	A3
L38	A2
L39	F3
L40	E3
L41	G1
L61	G2
L62	E5
L65	G2
L67	D3
L68	C3
L69	A2
L70	A3
L71	B2
L80	G4
SK1	G3
SK2	B3
1200	G3
1240	C4
1250	F3
2015	A3
2016	A3
2017	A5
2019	A4
2020	A4
2021	A4
2022	A4
2025	C5
2033	D5
2050	C5
2051	C5
2052	D5
2053	D5
2070	A4
2071	A5
2072	D4
2073	D4
2200	H3
2202	G2
2203	H2
2205	G2
2210	F4
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2215	G4
2216	G5
2218	F5
2219	F5
2231	E4
2232	E5
2233	E4
2234	E5
2235	D3
2236	D4
2237	E3
2238	D4
2239	B4
2240	D4
2250	F3
2254	F2
2258	F3
2261	E3
2263	E2
2270	G1
2321	H5
2351	H4
2361	H4
2372	H4
2376	H4
2402	B2
2403	A2
2404	A2
2406	B3
2408	C3
2410	B2
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2412	C3
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2522	D1
2523	C1
2524	D1
2525	E2
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2534	D3
2535	C4
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2543	C4
2551	C4
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2609	F1
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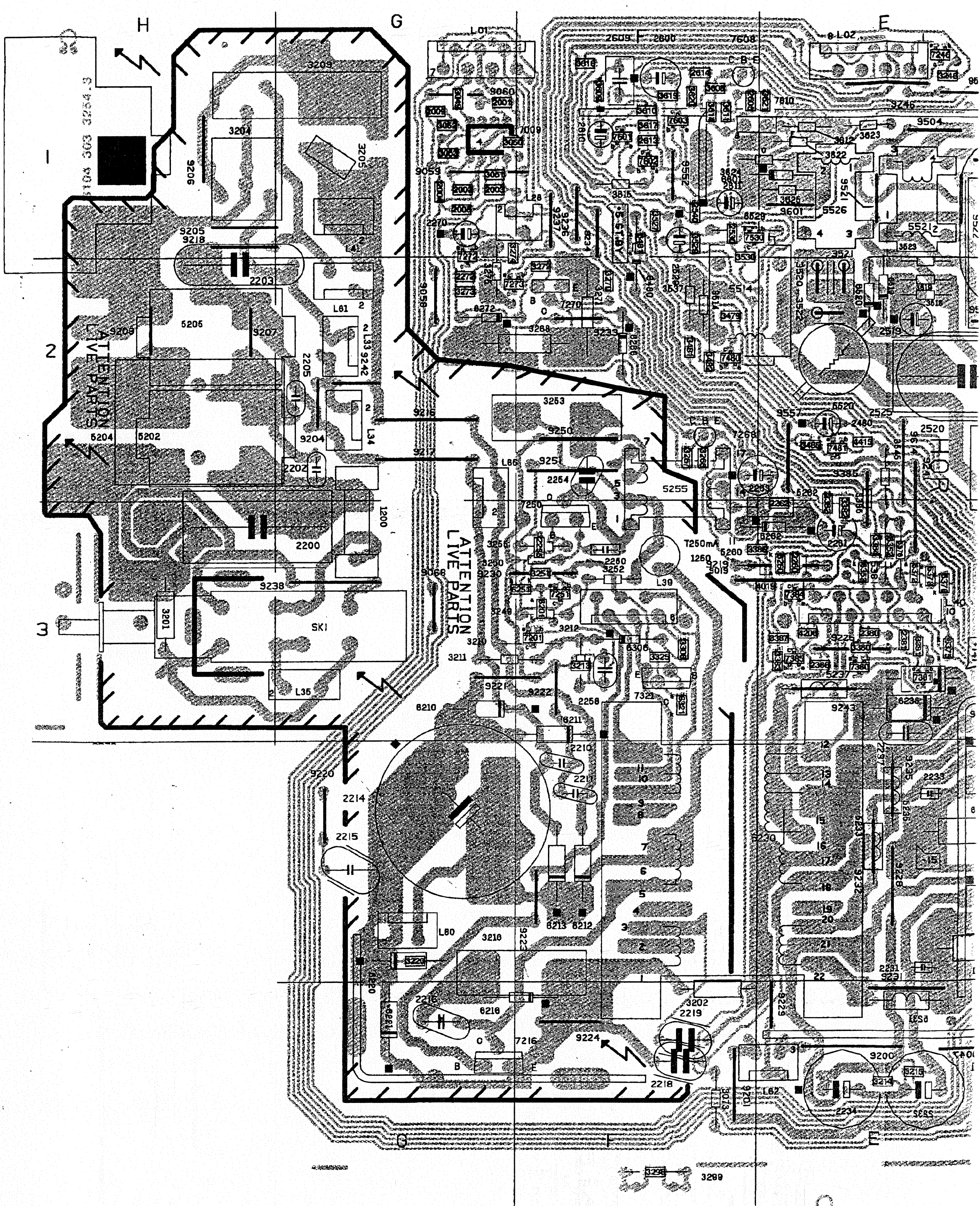
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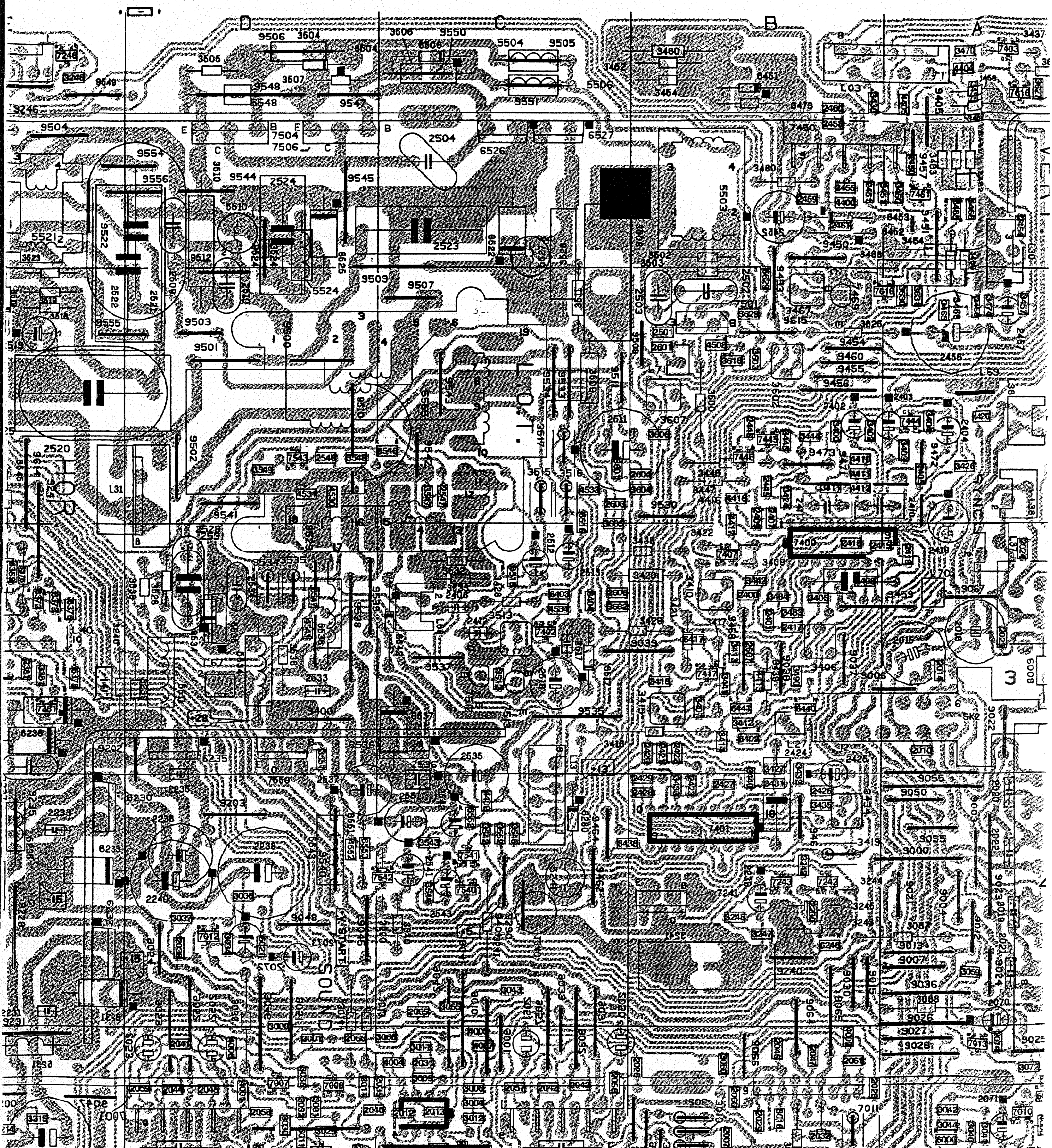
Groß-signal Platine Platine forts signeaux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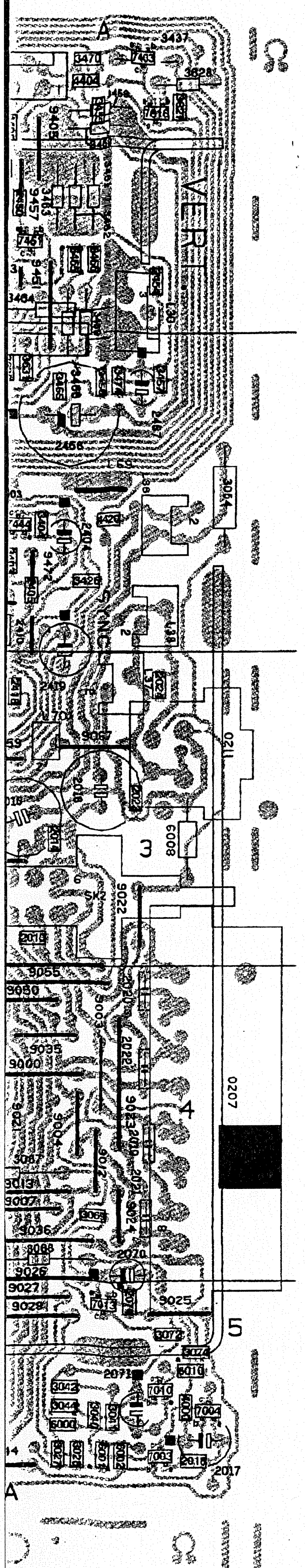

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L41	G1
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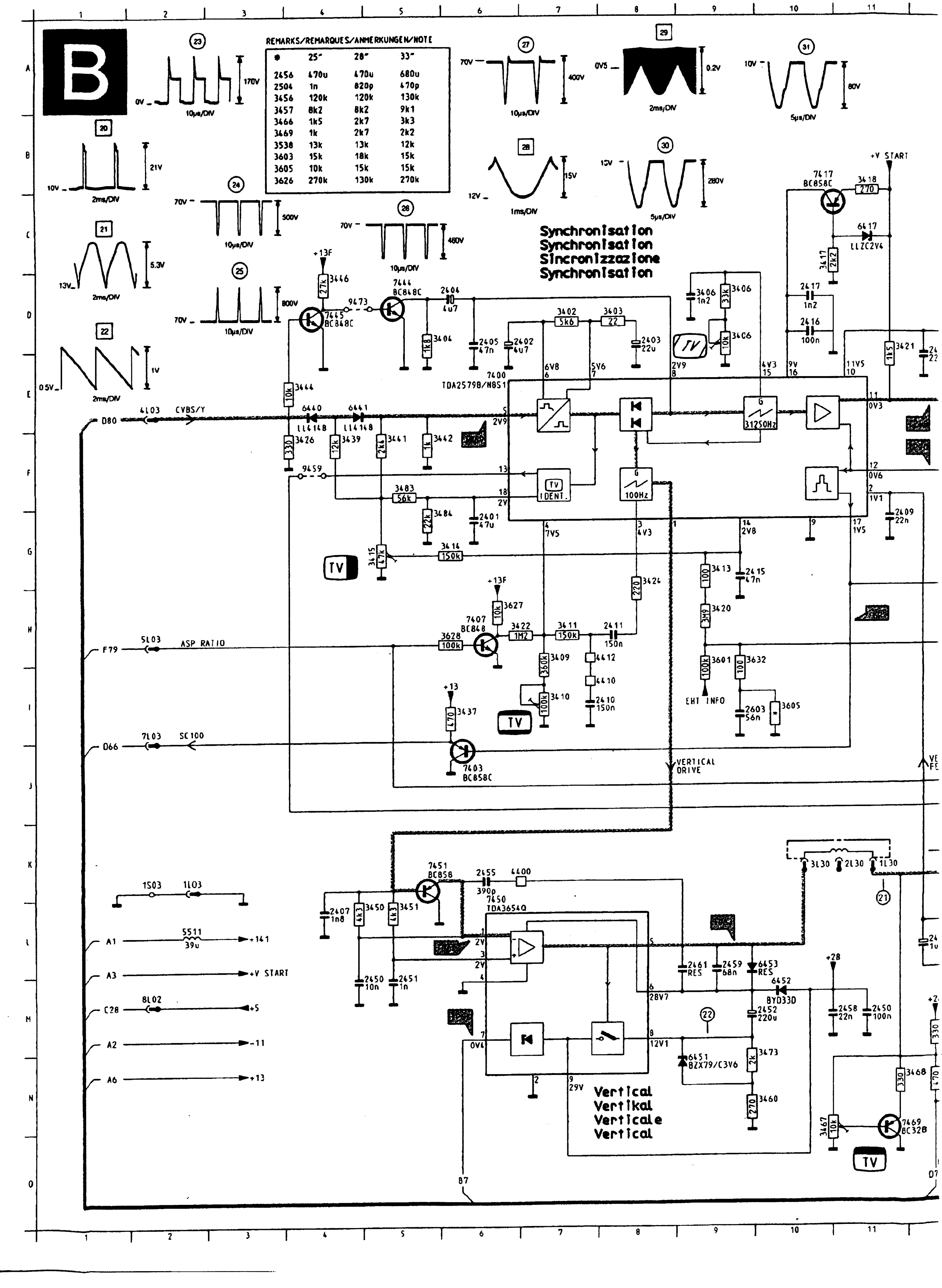
6441	B3
6451	B1
6452	B1
6453	B1
6465	A1
6466	A1
6480	F1
6481	F1
6504	D1
6506	C1
6515	C3
6516	C2
6517	C3
6519	E2
6520	E2
6522	C1
6525	D1
6526	C1
6527	C1
6529	F1
6534	D3
6535	D3
6536	C3
6537	C3
6542	C3
6546	C2
6547	D3
6551	D4
6552	C4
6553	D4
6601	E1
6629	B2
7000	C5
7001	D5
7002	C5
7003	A5
7004	A5
7005	D5
7006	D5
7007	D5
7008	D5
7009	G1
7010	A5
7011	B5
7012	D4
7013	A5
7201	F3
7216	G5
7241	B4
7242	B4
7243	B4
7246	E1
7250	F3
7251	F3
7268	F2
7270	F2
7272	G1
7273	G2
7305	H5
7311	H5
7312	H5
7318	H5
7320	H4
7321	F3
7360	H4
7369	H4
7370	H4
7371	H4
7380	E3
7381	E3
7384	E3
7385	E3
7400	B3
7401	B4
7402	C3
7403	A1
7407	B3
7417	B3
7444	A2
7445	B2
7446	B2
7450	A1
7451	A1
7469	B2
7480	F2
7481	E2
7501	B2
7504	D1
7506	D1
7512	C3
7513	C3
7530	F1
7540	C4
7541	C4
7542	C4
7543	D2
7550	D3
7601	F1
7602	F1
7603	F1
7608	F1
7610	E1
7616	A1
7618	A2
9000	A4
9001	C5
9003	A4
9004	A4
9006	A3
9007	A4
9008	B5
9010	C5
9012	A4
9013	A4
9015	B4
9017	B5
9019	E3
9020	D5
9021	A4
9022	A3
9023	A4
9024	A4
9025	A5
9026	A4
9027	A5
9028	A5
9029	B5
9030	B4
9031	C4
9032	C5
9033	C5
9034	C5
9035	A4
9036	A4
9037	B3
9038	B3
9039	B3
9041	C4
9042	C4
9043	D5
9044	A5
9045	D4
9046	D4
9047	E5
9048	D4
9050	A4
9051	D4
9052	D4
9053	D5
9054	D4
9055	A4
9056	A3
9057	C5
9058	G2
9059	G1
9060	G1
9064	B5
9065	B4
9066	B5
9067	A3
9068	G3
9200	E5
9201	F5
9202	D3
9203	D4
9204	G2
9205	H1
9206	H1
9207	H2
9208	H2
9216	G2
9217	G2
9218	H1
9219	E3
9220	G4
9221	G3
9222	F3
9223	F4
9224	F5
9225	E3
9228	E4
9229	E5
9230	F3
9231	E5
9232	E4
9233	F2
9234	F1
9235	E4
9236	F1
9237	F1
9238	G3
9240	B4
9241	E3
9242	G2
9243	E3
9246	E1
9250	F2
9251	F2
9290	C4
9300	H5
9302	H4
9385	E2
9400	D3
9401	C4
9405	A1
9450	B1
9451	A1
9453	B2
9454	B2
9455	B2
9456	B2
9457	A1
9459	B3
9460	B2
9461	B4
9462	C4
9464	C4
9468	B3
9471	B2
9472	A2
9473	B2
9500	D2
9501	D2
9502	D2
9503	D2
9504	E1
9505	C1
9506	D1
9507	C2
9508	B2
9509	C1
9510	D2
9511	C2
9512	D2
9521	E1
9522	E1
9524	D1
9529	D3
9530	B2
9533	C2
9534	C2
9535	C3
9537	C3
9538	D3
9539	D3
9540	D4
9541	D2
9542	C2
9543	C2
9544	D1
9545	D1
9547	D1
9548	D1
9549	E1
9550	C1
9551	C1
9552	F1
9554	D1
9555	E2
9556	D1
9557	E2
9601	E1
9614	E2
9615	B2

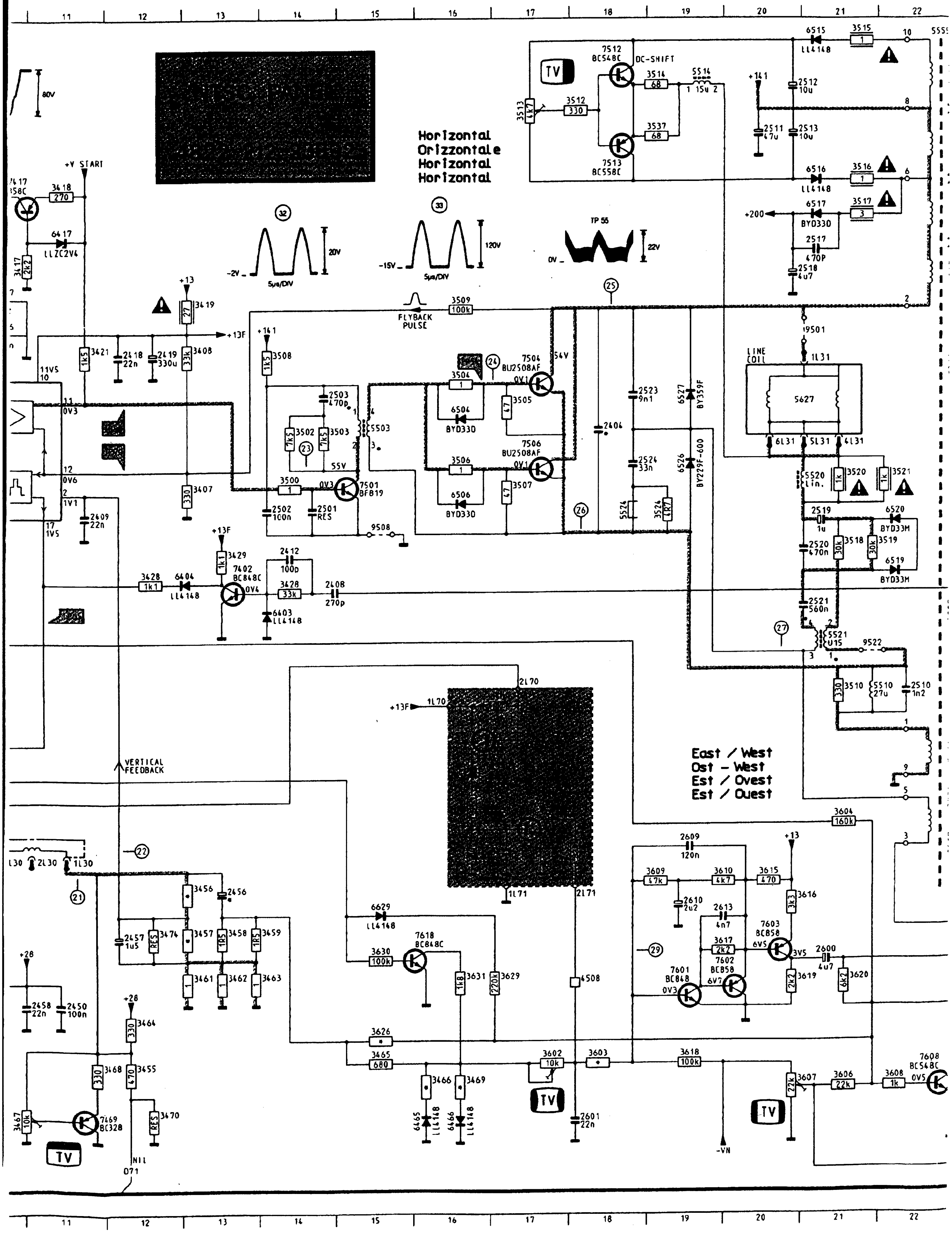
Synchronization Synchronisierung

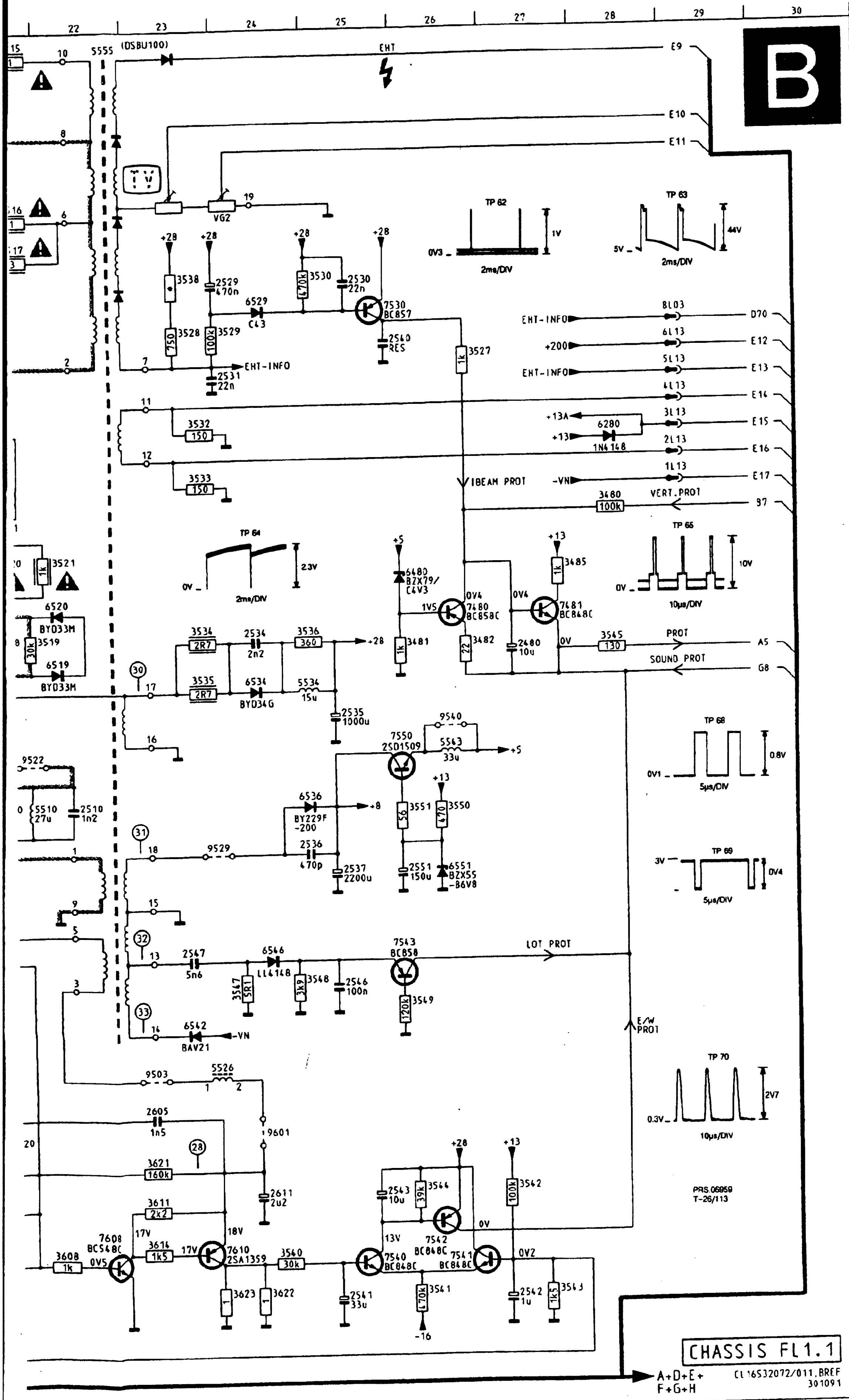

B
㉓ 170V 0V 10µs/DIV
⑳ 21V 10V 2ms/DIV
㉑ 5.3V 13V 2ms/DIV
㉒ 1V 0.5V 2ms/DIV
㉔ 70V 500V 10µs/DIV
㉕ 70V 800V 10µs/DIV
㉖ 70V 460V 10µs/DIV
㉗ 70V 400V 10µs/DIV
㉘ 12V 15V 1ms/DIV
㉙ 0V5 0.2V 2ms/DIV
㉚ 15V 280V 5µs/DIV
㉛ 10V 80V 5µs/DIV
Synchronisation
Synchronisation
Sincronizzazione
Synchronisation
+V START
7417 BC858C
3418 270
6417 LLZC2V4
3417 2k2
2417 1n2
2416 100n
3421 1k5
3406 1n2
3406 33k
3406 10k
+13F
3446 27k
7444 BC848C
9473
7445 BC848C
2404 4u7
3404 1k8
2405 47n
2402 4u7
3402 5k6
3403 22
2403 22u
7400 TDA2579B/N8S1
6V8 5V6 2V9 4V3 9V 11V5
31250Hz
100Hz
TV IDENT.
0V3 0V6 1V1 1V5 2V8 2V 2V9 7V5 4V3
3444 10k
4L03 CVBS/Y
D80
6440 LL4148
6441 LL4148
3426 330
3439 12k
3441 2k4
3442 1k
9459
3483 56k
3484 22k
2401 47u
3415 47k
3414 150k
2409 22n
TV
3413 100
2415 47n
3420 3M9
3424 270
+13F
3627 10k
7407 BC848
3628 100k
3422 1M2
3411 150k
2411 150n
F79 5L03 ASP RATIO
3409 360k
4412
4410
2410 150n
3410 100k
3601 100k
3632 100
EHT INFO
2603 56n
3605 *
+13
3437 470
D66 7L03 SC100
7403 BC858C
VERTICAL DRIVE
1S03 1L03
A1 5511 39u +141
A3 +V START
C28 8L02 +5
A2 -11
A6 +13
7451 BC858
2455 390p
4400
7450 TDA3654Q
2407 1n8
3450 4k3
3451 4k3
2450 10n
2451 1n
2V 2V 28V7 0V4 12V1 29V
2461 RES
2459 68n
6453 RES
6452 BYD33D
+28
2458 22n
2450 100n
㉒
2452 220u
6451 BZX79/C3V6
3473 2k
3460 270
3L30 2L30 1L30
㉑
3468 330
3467 10k
7469 BC328
330
470
TV
87
Vertical
Vertikal
Verticale
Vertical
A B C D E F G H I J K L M N O
1 2 3 4 5 6 7 8 9 10 11

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

*	25"	28"	33"
2456	470u	470u	680u
2504	1n	820p	470p
3456	120k	120k	130k
3457	8k2	8k2	9k1
3466	1k5	2k7	3k3
3469	1k	2k7	2k2
3538	13k	13k	12k
3603	15k	18k	15k
3605	10k	15k	15k
3626	270k	130k	270k

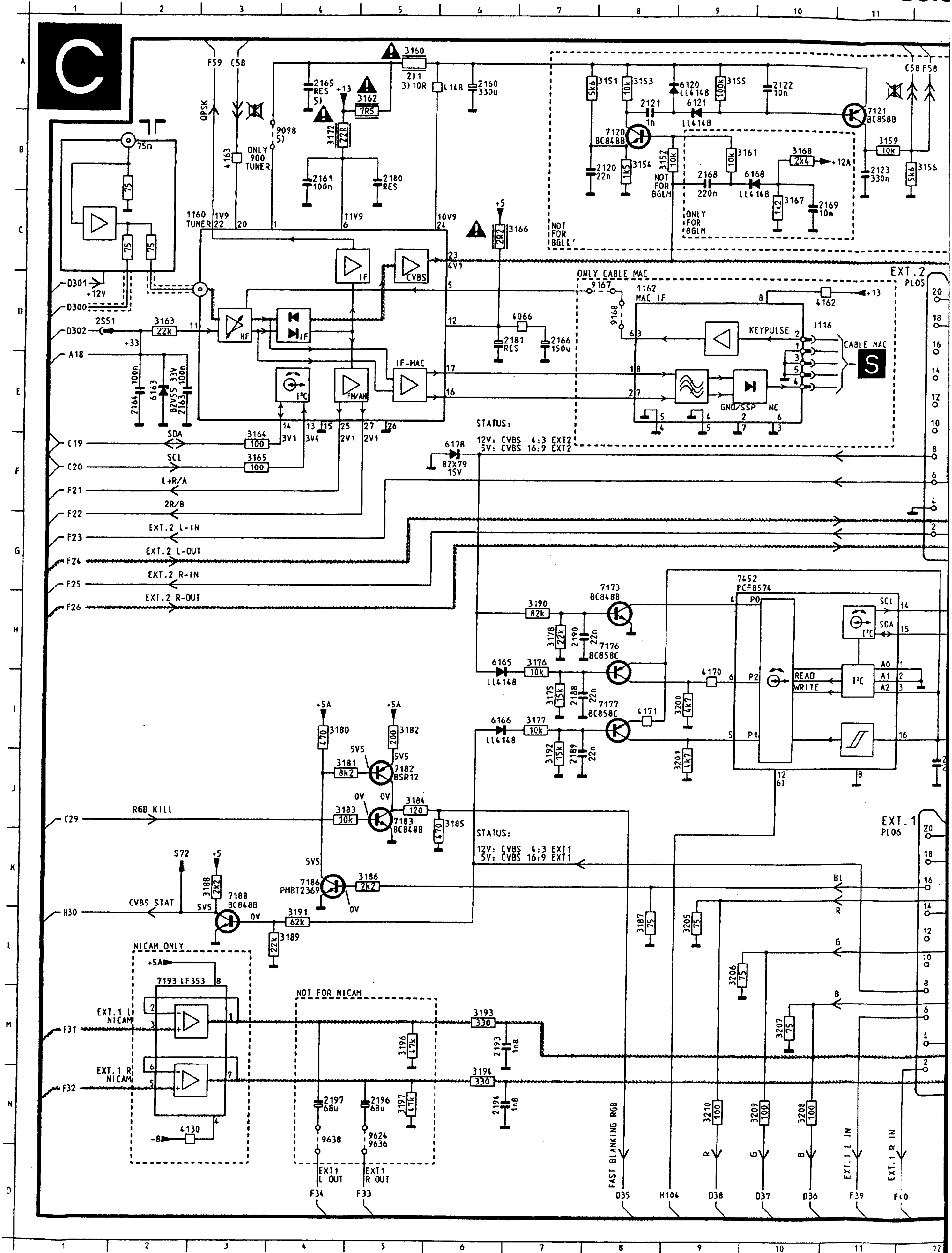
Synchronisation


Horizontal
Orizzontale
Horizontal
Horizontal
East / West
Ost - West
Est / Ovest
Est / Ouest
FLYBACK PULSE
VERTICAL FEEDBACK
LINE COIL
DC-SHIFT
+V START
+13F
+141
+200
+13
+28
-VN
7512 BC548C
7513 BC558C
7504 BU2508AF
7506 BU2508AF
7501 BF819
7402 BC848C
7618 BC848C
7603 BC858
7602 BC858
7601 BC848
7469 BC328
7608 BC548C
5503
5627
5520 Lin.
5521 U15
6527 BY359F
6526 BY229F-600
6520 BYD33M
6519 BYD33M
6517 BYD330
6504 BYD330
6506 BYD330
6515 LL4148
6516 LL4148
6404 LL4148
6403 LL4148
6629 LL4148
6465 LL4148
6466 LL4148
6417 LLZC2V4
TP 55
5µs/DIV
20V
120V
22V
80V
-2V
-15V
0V
2L70
1L70
1L71
2L71
4508
TV

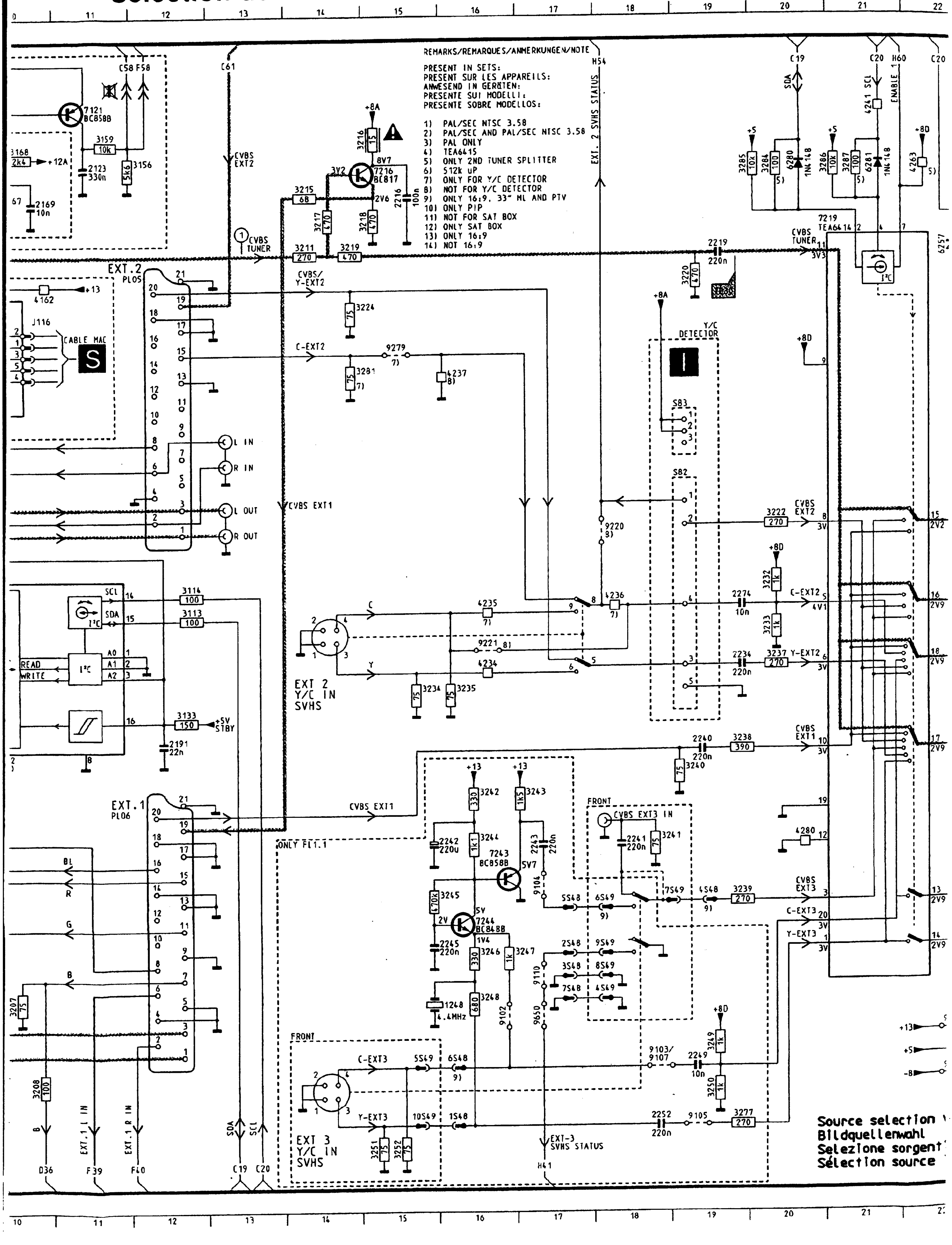

B
22
23
24
25
26
27
28
29
30
5555
(DSBU100)
EHT
E9
E10
E11
TP 62
1V
0V3
2ms/DIV
TP 63
44V
5V
2ms/DIV
VG2
19
+28
3538
2529
470n
6529
C43
3530
470k
2530
22n
7530
BC857
2540
RES
3528
750
3529
100k
EHT-INFO
2531
22n
3527
1k
7
2
8
6
10
15
16
17
BL03
6L13
5L13
4L13
3L13
2L13
1L13
D70
E12
E13
E14
E15
E16
E17
B7
EHT-INFO
+200
+13A
+13
6280
1N4148
-VN
3480
100k
VERT.PROT
IBEAM PROT
11
12
3532
150
3533
150
TP 64
2.3V
0V
2ms/DIV
TP 65
10V
0V
10µs/DIV
3521
1k
6520
BYD33M
3519
30k
6519
BYD33M
+5
6480
BZX79/
C4V3
1V5
0V4
7480
BC858C
0V4
7481
BC848C
+13
3485
1k
3481
1k
3482
22
2480
10u
0V
3545
130
PROT
A5
SOUND PROT
G8
30
3534
2R7
2534
2n2
3536
360
+28
3535
2R7
6534
BYD34G
5534
15u
2535
1000u
16
9540
7550
2SD1509
5543
33u
+5
TP 68
0.8V
0V1
5µs/DIV
9522
5510
27u
2510
1n2
+13
6536
BY229F
-200
+8
3551
56
3550
470
31
18
9529
2536
470p
2537
2200u
2551
150u
6551
BZX55
-B6V8
TP 69
3V
0V4
5µs/DIV
1
9
15
5
3
32
13
2547
5n6
6546
LL4148
3547
5R1
3548
3k9
2546
100n
7543
BC858
3549
120k
LOT PROT
33
14
6542
BAV21
-VN
E/W
PROT
TP 70
2V7
0.3V
10µs/DIV
9503
5526
1
2
20
2605
1n5
9601
28
3621
160k
2611
2u2
3611
2k2
+28
+13
2543
10u
3544
39k
3542
100k
PRS.06959
T-26/113
7608
BC548C
17V
18V
3608
1k
0V5
3614
1k5
17V
7610
2SA1359
3540
30k
13V
7540
BC848C
7542
BC848C
7541
BC848C
0V
0V2
3623
1
3622
1
2541
33u
3541
470k
-16
2542
1u
3543
1k5
CHASSIS FL1.1
CL 16532072/011.BREF
301091
A+D+E+
F+G+H
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

2401	G 6	3480	F28	6526	F19
2402	D 6	3481	G26	6527	E19
2403	D 8	3482	G26	6529	C24
2404	D 6	3483	F 5	6534	H24
2404	F18	3484	G 5	6536	I25
2405	D 6	3485	F27	6542	K23
2407	L 4	3500	F14	6546	K24
2408	H14	3502	F14	6551	J26
2409	G11	3503	F14	6629	L15
2410	I 7	3504	E16	6650	J16
2411	H 8	3505	E17	7400	E 6
2412	G14	3506	F16	7402	G13
2415	G 9	3507	F17	7403	J 6
2416	D10	3508	E14	7407	H 6
2417	D10	3509	C16	7417	B10
2418	E12	3510	I21	7444	D 5
2419	E12	3512	A18	7445	D 4
2450	M11	3513	B17	7450	L 6
2450	M 5	3514	A19	7451	K 5
2451	M 5	3515	A21	7469	N11
2452	M10	3516	B21	7480	G26
2455	K 6	3517	C21	7481	G27
2456	L13	3518	G21	7501	F15
2457	L12	3519	G21	7504	E17
2458	M11	3520	F21	7506	F17
2459	L 9	3521	F22	7512	A18
2461	L 9	3524	G19	7513	B18
2480	G27	3527	D26	7530	C25
2501	G14	3528	D23	7540	N25
2502	G14	3529	D24	7541	N26
2503	E14	3530	C25	7542	N26
2510	I22	3532	E23	7543	K26
2511	B20	3533	E23	7550	H26
2512	A20	3534	G23	7601	M19
2513	B20	3535	H23	7602	M20
2517	C21	3536	G25	7603	L20
2518	D20	3537	B19	7608	N22
2519	G21	3538	C23	7610	N24
2520	G21	3540	N24	7618	L16
2521	H21	3541	N26	7650	J16
2523	E18	3542	M27	7651	J17
2524	F18	3543	N27	9459	F 4
2529	C24	3544	M26	9473	D 4
2530	C25	3545	G28	9501	D21
2531	D24	3547	K24	9503	L23
2534	G24	3548	K24	9508	G15
2535	H25	3549	K26	9522	H21
2536	I25	3550	I26	9529	I23
2537	J25	3551	I26	9540	H26
2540	D25	3601	H 9	9601	M24
2541	N25	3602	N17		
2542	N27	3603	N18		
2543	M25	3604	K21		
2546	K25	3605	I10		
2547	K23	3606	N21		
2551	J26	3607	N20		
2600	L21	3608	N22		
2601	N18	3609	K19		
2603	I 9	3610	K20		
2605	L23	3611	M23		
2609	K19	3614	N23		
2610	L19	3615	K20		
2611	M24	3616	L20		
2613	L20	3617	L20		
2653	K17	3618	N19		
3402	D 7	3619	M20		
3403	D 8	3620	M21		
3404	D 5	3621	M23		
3406	D 9	3622	N24		
3406	D 9	3623	N24		
3406	D 9	3626	M15		
3407	F13	3627	H 6		
3408	D13	3628	H 6		
3409	H 7	3629	M17		
3410	I 7	3630	L15		
3411	H 7	3631	M16		
3413	G 9	3632	H 9		
3414	G 6	3650	I17		
3415	G 5	3651	J16		
3417	C10	3652	K18		
3418	B11	3653	K16		
3419	D13	4400	K 7		
3420	H 9	4410	I 7		
3421	D11	4412	H 7		
3422	H 7	4508	M18		
3424	G 8	5503	F15		
3426	F 4	5510	I21		
3428	G12	5511	L 2		
3428	H14	5514	A19		
3429	G13	5520	F21		
3437	I 6	5521	H21		
3439	F 4	5524	G18		
3441	F 5	5526	L23		
3442	F 5	5534	H25		
3444	E 4	5543	H26		
3446	D 4	5555	A22		
3450	L 5	5627	E21		
3451	L 5	6280	E28		
3455	N12	6403	H14		
3456	K13	6404	G13		
3457	L13	6417	C11		
3458	L13	6440	E 4		
3459	L14	6441	E 4		
3460	N10	6451	N 9		
3461	M13	6452	M10		
3462	M13	6453	L10		
3463	M14	6465	N16		
3464	M12	6466	N16		
3465	N15	6480	F26		
3466	N16	6504	E16		
3467	N10	6506	F16		
3468	N11	6515	A21		
3469	N16	6516	B21		
3470	N12	6517	C21		
3473	M10	6519	G22		
3474	L12	6520	G22		

6.13 CHASSIS FL1.1 Source selection / Quellenwahl / Séle


C
S
F59
C58
QPSK
3160
2)1
3) 10R
4148
2160
330u
2165
RES
5)
+13
3162
7R5
3172
22R
9098
5)
4163
ONLY
900
TUNER
2161
100n
2180
RES
75Ω
75
1160
TUNER
1V9
22
20
11V9
6
10V9
24
IF
CVBS
23
4V1
HF
IF-MAC
FM/AM
I²C
D301
+12V
D300
D302
2551
3163
22k
11
A18
+33
2164
100n
6163
BZV55 33V
2163
100n
C19
SDA
3164
100
14
3V1
13
3V4
15
25
2V1
27
2V1
26
C20
SCL
3165
100
F21
L+R/A
F22
2R/B
F23
EXT.2 L-IN
F24
EXT.2 L-OUT
F25
EXT.2 R-IN
F26
EXT.2 R-OUT
+5
3166
2R2
4066
2181
RES
2166
150u
12
17
16
STATUS:
12V: CVBS 4:3 EXT2
5V: CVBS 16:9 EXT2
6178
BZX79
15V
3151
5k6
3153
10k
6120
LL4148
3155
100k
2122
10n
2121
1n
6121
LL4148
7121
BC858B
7120
BC848B
3152
10k
3161
10k
3168
2k4
+12A
2120
22n
3154
1k5
NOT
FOR
BGLM
2168
220n
6168
LL4148
3167
1k2
2169
10n
ONLY
FOR
BGLM
NOT
FOR
BGLL'
C58 F58
3159
10k
2123
330n
3156
5k6
EXT.2
PL05
ONLY CABLE MAC
9167
1162
MAC IF
9168
4162
+13
KEYPULSE
J116
CABLE MAC
GND/SSP
NC
20
18
16
14
12
10
8
6
4
2
7173
BC848B
3190
82k
3178
22k
2190
22n
7176
BC858C
6165
LL4148
3176
10k
3175
15k
2188
22n
7177
BC858C
6166
LL4148
3177
10k
3192
15k
2189
22n
4171
4170
3200
4k7
3201
4k7
7452
PCF8574
P0
P2
P1
SCL
SDA
READ
WRITE
A0
A1
A2
I²C
+5A
3180
470
3182
200
3181
8k2
5V5
7182
BSR12
0V
3184
120
3183
10k
7183
BC848B
3185
470
C29
RGB KILL
STATUS:
12V: CVBS 4:3 EXT1
5V: CVBS 16:9 EXT1
S72
3188
2k2
7188
BC848B
7186
PHBT2369
3186
2k2
H30
CVBS STAT
3191
62k
3189
22k
EXT.1
PL06
BL
R
G
B
3187
75
3205
75
3206
75
3207
75
NICAM ONLY
+5A
7193 LF353
EXT.1 L NICAM
F31
EXT.1 R NICAM
F32
4130
-8
NOT FOR NICAM
3196
47k
3197
47k
2197
68u
2196
68u
9638
9624
9636
EXT1 L OUT
EXT1 R OUT
F34
F33
3193
330
2193
1n8
3194
330
2194
1n8
3210
100
3209
100
3208
100
FAST BLANKING RGB
D35
H104
D38
D37
D36
EXT.1 L IN
F39
EXT.1 R IN
F40

Sélection de source

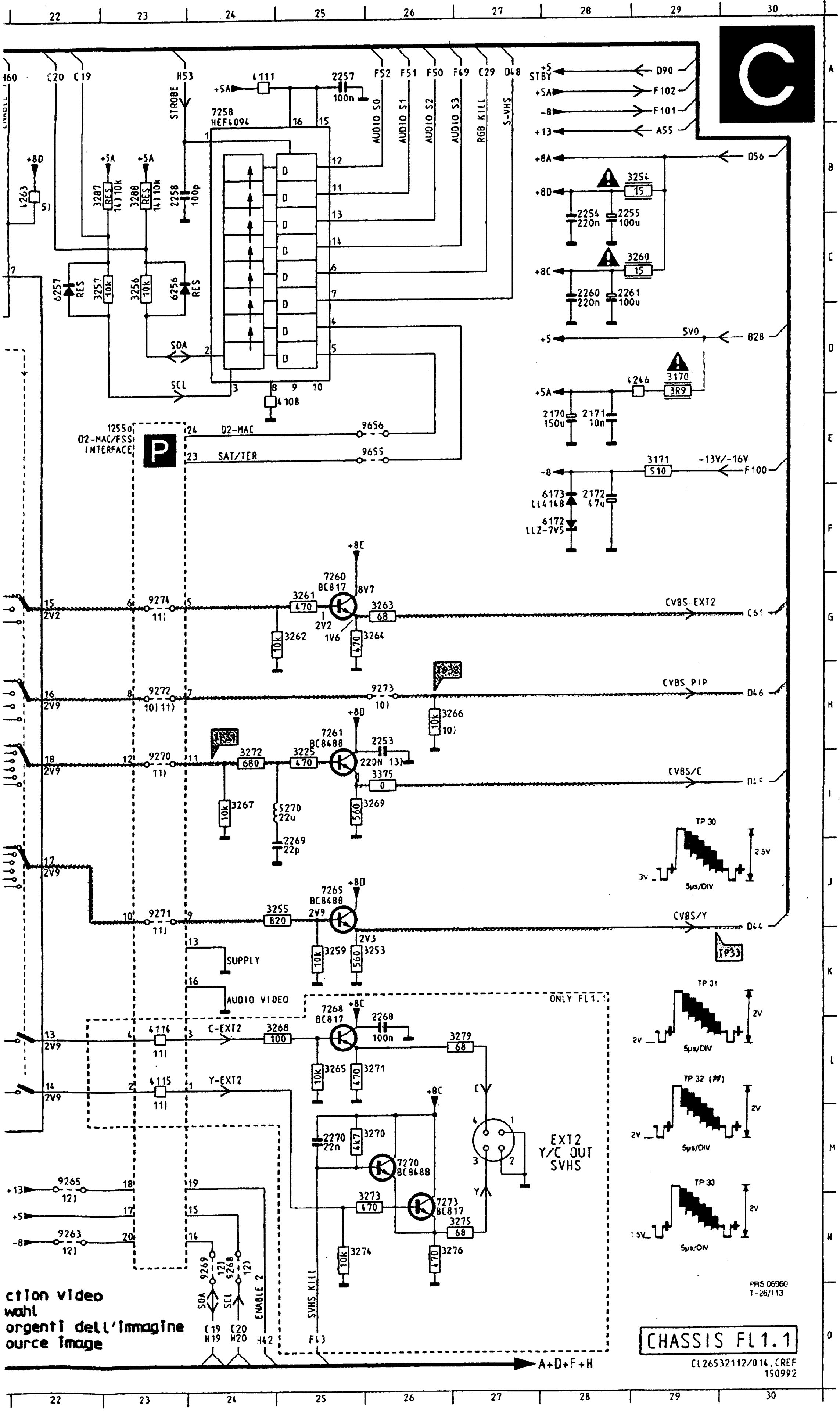

7121
BC858B
3159
10k
3168
2k4
+12A
2123
330n
5k6
3156
2169
10n
C58 F58
C61
CVBS EXT2
+8A
3216
15
8V7
3V2
7216
BC817
3215
68
2V6
2216
100n
3217
470
3218
470
CVBS TUNER
3211
270
3219
470
H54
EXT. 2 SVHS STATUS
C19
SDA
C20 H60
4241 SCL
ENABLE 1
3285
10k
3284
100
6280
1N4148
3286
10k
3287
100
6281
1N4148
4263
+5
+8D
7219
TEA6414
2219
220n
3220
470
EXT.2
PL05
4162
+13
J116
CABLE MAC
S
CVBS/Y-EXT2
3224
75
C-EXT2
9279
3281
75
4237
Y/C DETECTOR
S83
S82
L IN
R IN
L OUT
R OUT
CVBS EXT1
9220
CVBS EXT2
3222
270
2V2
3232
1k
2274
10n
C-EXT2
4V1
2V9
3233
1k
2234
220n
3237
270
Y-EXT2
EXT 2 Y/C IN SVHS
4235
9221
4234
4236
3234
75
3235
75
SCL
SDA
I²C
READ
WRITE
A0 A1 A2
3114
100
3113
100
3133
150
+5V STBY
2191
22n
2240
220n
3238
390
CVBS EXT1
3240
75
EXT.1
PL06
CVBS EXT1
ONLY FL1.1
+13
3242
330
3243
1k5
2242
220u
3244
1k1
7243
BC858B
5V7
2243
220n
3245
470k
7244
BC848B
2245
220n
3246
330
3247
1k
1248
4.4MHz
3248
680
FRONT
CVBS EXT3 IN
2241
220n
3241
75
4280
9104
5S48
6S49
7S49
4S48
3239
270
CVBS EXT3
C-EXT3
Y-EXT3
2S48
9S49
3S48
8S49
7S48
4S49
9110
9650
9102
9103/9107
2249
10n
3249
1k
3250
1k
C-EXT3
5S49
6S48
Y-EXT3
10S49
1S48
2252
220n
9105
3277
270
EXT 3 Y/C IN SVHS
3251
75
3252
75
EXT-3 SVHS STATUS
H41
BL
R
G
B
3207
75
3208
100
EXT.1 L IN
EXT.1 R IN
D36
F39
F40
C19
C20
SDA
SCL
+13
+5
-8

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) PAL/SEC NTSC 3.58
2) PAL/SEC AND PAL/SEC NTSC 3.58
3) PAL ONLY
4) TEA6415
5) ONLY 2ND TUNER SPLITTER
6) 512k uP
7) ONLY FOR Y/C DETECTOR
8) NOT FOR Y/C DETECTOR
9) ONLY 16:9, 33" ML AND PTV
10) ONLY PIP
11) NOT FOR SAT BOX
12) ONLY SAT BOX
13) ONLY 16:9
14) NOT 16:9

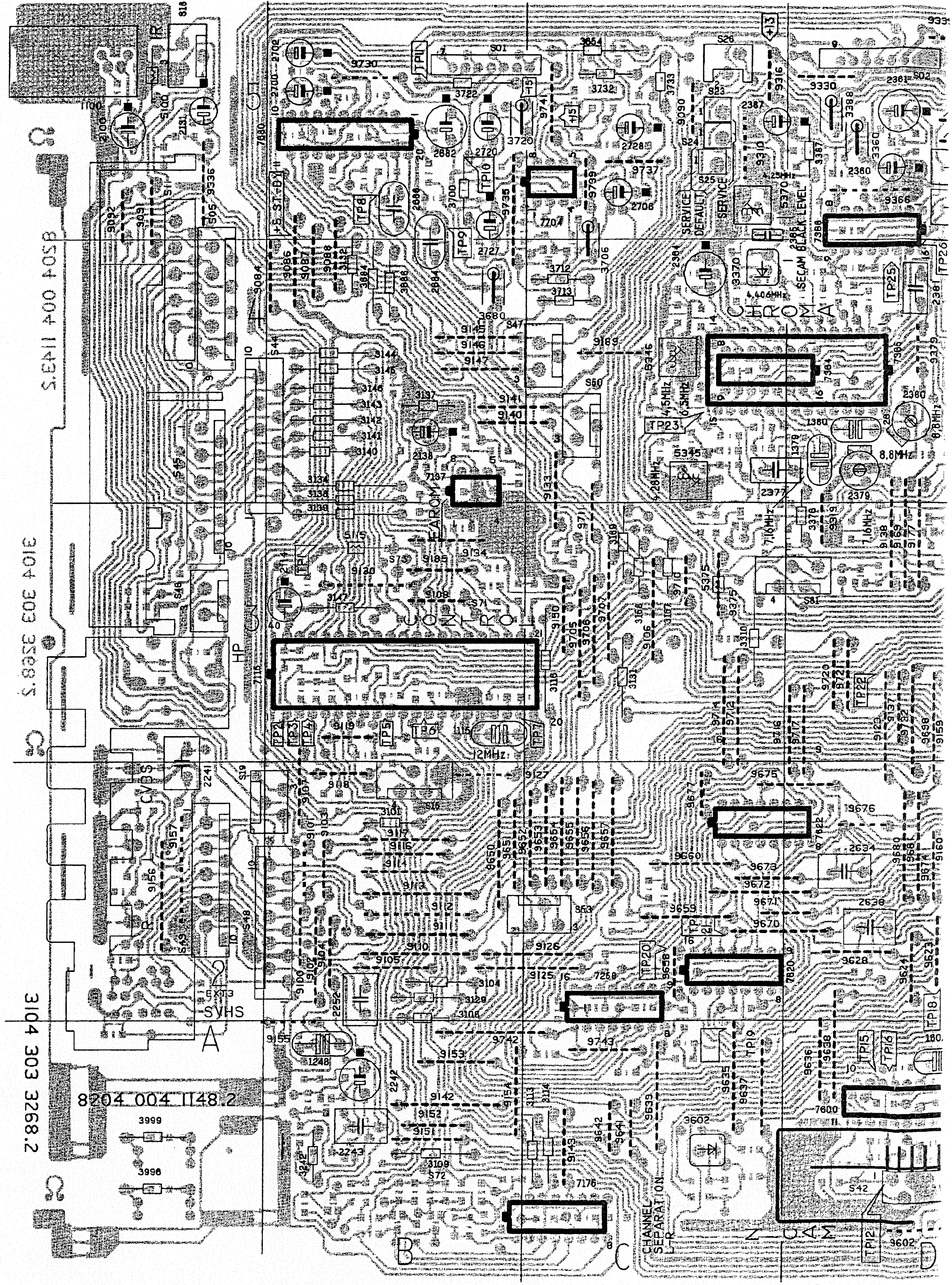
Source selection
Bildquellenwahl
Selezione sorgent
Sélection source


C
P
7258 HEF4094
STROBE
AUDIO S0
AUDIO S1
AUDIO S2
AUDIO S3
RGB KILL
S-VHS
SDA
SCL
1255a D2-MAC/FSS INTERFACE
D2-MAC
SAT/TER
7260 BC817
7261 BC848B
7265 BC848B
7268 BC817
7270 BC848B
7273 BC817
CVBS-EXT2
CVBS PIP
CVBS/C
CVBS/Y
SUPPLY
AUDIO VIDEO
ONLY FL1.1
C-EXT2
Y-EXT2
EXT2 Y/C OUT SVHS
STBY
TP 30
TP 31
TP 32
TP 33
5μs/DIV
SVHS KILL
ENABLE 2
A+D+F+H
PRS 06960 T-26/113
CHASSIS FL1.1
CL 26532112/014.CREF 150992

ction video
wahl
orgenti dell'immagine
ource image

1160	C 2	3238	J19	9269	N24
1162	D 8	3239	L19	9270	I23
1248	M16	3240	J19	9271	J23
1255	E23	3241	K18	9272	H23
2120	B 7	3242	J16	9273	H26
2121	A 8	3243	J17	9274	G23
2122	A10	3244	K16	9279	E15
2123	B11	3245	L16	9624	N 5
2160	A 6	3246	L16	9636	N 5
2161	B 4	3247	L16	9638	N 4
2163	E 2	3248	M16	9650	M17
2164	E 2	3249	N19	9655	E26
2165	A 4	3250	N19	9656	E26
2166	D 7	3251	O15		
2168	B 9	3252	O15		
2169	C10	3253	K25		
2170	E28	3254	B29		
2171	E28	3255	J25		
2172	F28	3256	C23		
2180	B 5	3257	C23		
2181	D 6	3259	K25		
2188	I 7	3260	C29		
2189	J 7	3261	G25		
2190	H 7	3262	G25		
2191	J12	3263	G26		
2193	M 6	3264	G25		
2194	N 6	3265	L25		
2196	N 5	3266	H26		
2197	N 4	3267	I24		
2216	C15	3268	L25		
2219	C19	3269	I25		
2234	I19	3270	M25		
2240	J19	3271	L25		
2241	K18	3272	I24		
2242	K15	3273	N26		
2243	K17	3274	N25		
2245	L15	3275	N27		
2249	N19	3276	N26		
2252	O18	3277	O19		
2253	H26	3279	L27		
2254	C28	3281	E14		
2255	C28	3284	B20		
2257	A25	3285	B19		
2258	B23	3286	B21		
2260	C28	3287	B23		
2261	C28	3287	B21		
2268	L26	3288	B23		
2269	J25	3375	I26		
2270	M25	4066	D 7		
2274	H19	4108	E25		
3113	H12	4111	A24		
3114	H12	4114	L23		
3133	I12	4115	L23		
3151	A 7	4130	N 3		
3152	B 8	4148	A 6		
3153	A 8	4162	D10		
3154	B 8	4163	B 3		
3155	A 9	4170	I 9		
3156	B12	4171	I 8		
3159	B11	4234	I16		
3160	A 5	4235	H16		
3161	B 9	4236	H18		
3162	A 5	4237	E16		
3163	D 2	4241	B21		
3164	F 3	4246	D29		
3165	F 3	4263	B22		
3166	C 6	4280	K20		
3167	C10	5270	I25		
3168	B10	6120	A 9		
3170	D29	6121	A 9		
3171	E29	6163	E 2		
3172	B 4	6165	H 6		
3175	I 7	6166	I 6		
3176	H 7	6168	B 9		
3177	I 7	6172	F28		
3178	H 7	6173	F28		
3180	I 4	6178	F 6		
3181	J 4	6256	C23		
3182	I 5	6257	C22		
3183	J 4	6280	B20		
3184	J 5	6281	B21		
3185	J 6	7120	B 8		
3186	K 5	7121	B11		
3187	L 8	7173	G 8		
3188	K 3	7176	H 8		
3189	L 4	7177	I 8		
3190	H 7	7182	J 5		
3191	L 4	7183	J 5		
3192	J 7	7186	K 4		
3193	M 6	7188	K 3		
3194	N 6	7193	L 2		
3196	M 5	7216	B15		
3197	N 5	7219	C20		
3200	I 9	7243	K16		
3201	J 9	7244	L16		
3205	L 9	7258	A24		
3206	L 9	7260	G25		
3207	M10	7261	H25		
3208	N10	7265	J25		
3209	N10	7268	K25		
3210	N 9	7270	M26		
3211	C14	7273	N26		
3215	C14	7452	G 9		
3216	B15	9098	B 3		
3217	C14	9102	M16		
3218	C15	9103	M18		
3219	C14	9104	K17		
3220	D19	9105	O19		
3222	G20	9110	M17		
3224	D14	9167	D 8		
3225	I25	9168	D 8		
3232	H20	9220	G18		
3233	H20	9221	H16		
3234	I15	9263	N22		
3235	I16	9265	M22		
3237	I20	9268	N24		

Small signal panel Klein-signal Platine


3104 303 3268.2
8204 004 1148.2
8204 004 1143.2
3104 303 3268.2
3999
3996
CVBS
EXT3
SVHS
A
B
C
D
HP
CONTROL
FAROM
CHROMA
SERVICE DEFAULT
SERVICE
SECAM BLACK LEVEL
CHANNEL SEPARATION L-R
12MHz
4.5MHz
6.5MHz
4.43MHz
4.406MHz
5.5MHz
7.16MHz
8.8MHz
7.16MHz
TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP15 TP16 TP18 TP19 TP20 TP21 TP22 TP23 TP25 TP26
+5 ST+BV
+5
+13
7110
7137
7880
7707
7384
7820
7822
7600
7268
7176
2241
2242
2243
2252
1248
2377
2379
2380
2381
2634
2636
2708
2720
2727
2728
2882
2884
2886
2138
3712
3713
3720
3722
3730
3732
3733
3654
3680
3700
3706
3101
3104
3106
3108
3109
3129
3131
3137
3140
3141
3142
3143
3144
3145
3146
3147
3134
3135
3136
3376
3378
3387
3388
3360
3370
3380
3602
S01 S02 S19 S20 S23 S24 S25 S41 S42 S45 S46 S47 S48 S49 S50 S53 S60 S71 S72 S73 S81
9330
9366
9602
9628
9675
9676
9660
9670
9671
9672
9673
9659
9742
9743
9737
9799
9730
9125
9126
9127
9110
9111
9112
9113
9114
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9118
9119
9130
9134
9140
9141
9145
9146
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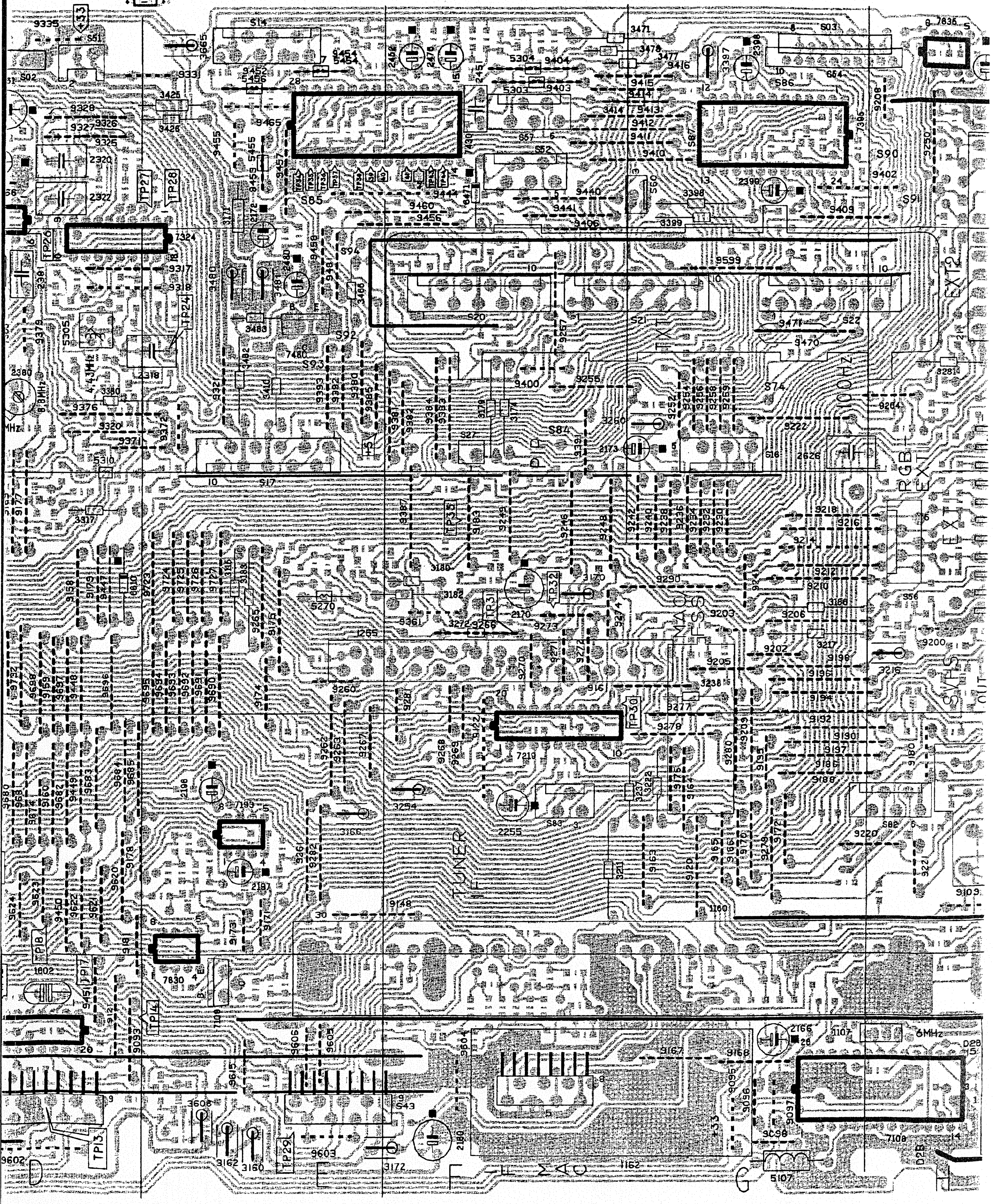
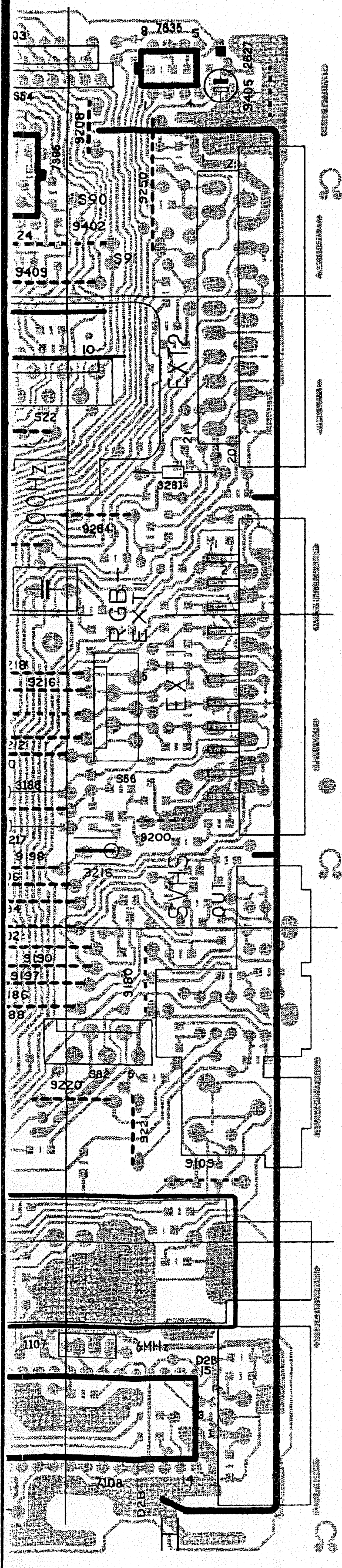
9155
9156
9157
9189
9185

6.17 CHASSIS FL1.1 Platine à petite signaux


S14
S03
S02
S20
S21
S22
S17
S27
S43
S51
S52
S56
S57
S60
S74
S82
S83
S84
S85
S86
S87
S90
S91
S92
S93
S94
TP13
TP14
TP17
TP18
TP24
TP26
TP27
TP28
TP29
TP30
TP31
TP32
TP35
7324
7480
7193
7219
7830
7108
1255
1160
1162
1602
5107
5303
5304
5305
5310
2170
2173
2180
2255
2318
2320
2322
2380
2381
2398
2451
2626
3170
3172
3180
3182
3254
3294
3317
3371
3376
3380
3388
3398
3399
3410
3414
3428
3471
3477
3478
3483
3665
9167
9168
9203
9206
9255
9260
9264
9270
9290
9335
9400
9403
9404
9406
9409
9410
9440
9456
9460
9465
9470
9471
9599
4,43MHz
8,8MHz
6MHz
+33
+5
EXT2
RGB EXT
EXT1
SVHS OUT
TUNER
MAC
PIP
TXT
100Hz
FSS
10
20
28
30



D2B	H1
EXT1	H3
EXT2	H4
EXT3	A3
S01	B5
S02	D5
S03	H5
S06	A4
S11	A5
S14	E5
S15	B2
S16	G4
S17	E4
S18	A5
S19	B2
S20	F4
S21	F4
S22	G4
S23	C5
S24	C5
S25	C5
S26	C5
S27	F4
S42	D1
S43	F1
S44	B4
S45	A4
S46	A3
S47	C4
S48	B2
S49	A2
S50	C4
S51	D5
S52	F5
S53	C2
S54	H5
S56	H3
S57	F5
S60	G5
S81	D3
S82	G2
S83	F2
SVHS	H2
1100	A5
1107	H1
1115	B3
1160	E2
1162	F1
1248	B1
1379	D4
1380	D4
1602	D1
2100	A5
2114	B3
2131	A5
2138	B4
2160	F1
2166	G1
2170	F3
2172	E4
2173	G4
2186	E2
2197	E2
2241	A2
2242	B1
2243	B1
2262	B2
2265	F2
2318	E4
2320	D5
2322	D5
2360	D5
2361	D5
2364	C4
2365	C5
2377	C4
2379	D4
2380	D4
2381	D4
2387	C5
2398	G5
2399	G5
2461	F5
2462	F5
2476	F5
2480	E4
2626	G4
2627	H5
2634	D2
2638	D2
2682	B5
2684	B4
2686	B5
2700	B5
2702	B5
2706	C5
2720	B5
2727	B5
2728	C5
3101	B2
3104	B2
3106	B2
3109	B1
3113	C1
3114	C1
3115	E3
3116	C3
3128	B2
3131	C3
3132	B4
3134	B4
3137	B4
3138	B4
3139	B3
3140	B4
3141	B4
3142	B4
3143	B4
3144	B4
3145	B4
3146	B4
3147	B3
3157	C3
3158	C3
3160	E1
3162	E1
3166	E2
3169	C3
3170	F3
3171	E5
3172	E1
3174	F4
3179	F4
3180	F3
3182	F3
3183	E3
3186	G3
3211	F2
3216	H3
3217	G3
3222	G2
3237	G2
3238	G3
3242	B1
3254	F2
3260	G4
3272	F3
3281	H4
3310	C3
3317	D3
3360	D5
3370	C4
3376	D3
3380	D4
3387	D5
3388	D5
3397	G5
3398	G5
3399	G5
3410	E4
3414	G5
3425	E5
3426	E5
3465	E4
3471	F5
3477	F5
3478	F5
3480	E4
3481	E4
3482	E4
3483	E4
3602	C1
3606	E1
3654	C5
3666	E5
3680	B4
3684	B4
3686	B4
3700	B5
3706	C4
3712	C4
3713	C4
3720	B5
3722	B5
3732	C5
3733	C5
3996	A1
3999	A1
5100	A5
5107	G1
5115	B3
5270	E3
5303	F5
5304	F5
5305	D4
5310	D4
5345	C4
5346	C4
5370	C5
5375	C3
5454	E5
5455	E5
5456	E5
6471	F5
6610	D3
7109	E1
7115	B3
7137	B3
7193	E2
7219	F2
7324	E5
7366	D5
7395	G5
7430	E5
7480	E4
7635	H5
7680	B5
7704	C5
9084	B4
9086	B4
9087	B4
9088	B4
9090	C5
9091	A5
9092	A5
9093	D1
9095	G1
9096	G1
9097	G1
9098	G1
9100	B2
9101	B2
9102	B2
9103	B2
9104	B2
9105	B2
9106	C3
9107	B2
9108	B3
9109	H2
9110	B2
9111	B2
9112	B2
9113	B2
9114	B2
9116	B2
9117	B2
9118	B2
9119	B3
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9122	F2
9123	D3
9125	C2
9126	C2
9127	B2
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9133	C4
9134	B3
9137	D3
9138	D3
9140	B4
9141	B4
9142	B1
9143	C1
9145	B4
9146	B4
9147	B4
9148	E2
9150	C3
9151	B1
9152	B1
9153	B1
9154	B1
9155	A1
9156	A2
9157	A2
9158	D3
9159	D3
9160	D2
9161	G3
9163	G2
9164	G2
9165	G2
9166	G2
9167	G1
9168	G1
9169	D3
9170	G2
9171	E2
9172	G2
9173	E2
9174	E3
9175	E3
9176	G2
9177	D3
9178	D2
9179	D3
9180	H2
9181	D2
9183	F3
9185	B3
9186	G2
9188	G2
9189	C4
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9192	G3
9194	G3
9195	G2
9196	G3
9197	G2
9198	G3
9200	H3
9202	G3
9203	G3
9205	G3
9206	G3
9208	H5
9209	G2
9210	G3
9212	G3
9214	G3
9216	G3
9218	G3
9220	G2
9221	H2
9222	G4
9230	G3
9232	G3
9234	G3
9236	G3
9238	G3
9240	G3
9241	G3
9242	G3
9246	F3
9248	F3
9249	F3
9250	H5
9252	G4
9254	G4
9255	F4
9256	G4
9257	F4
9258	G4
9259	G4
9260	E3
9261	E2
9262	E2
9263	E2
9264	H4
9265	E3
9266	F3
9267	E2
9268	F3
9269	F3
9270	F3
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9273	F3
9274	F3
9277	G2
9278	G2
9279	G2
9280	G2
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9282	E2
9290	G3
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9316	C5
9317	D4
9318	D4
9319	D3
9320	D4
9321	E4
9325	D5
9326	D5
9327	D5
9328	D5
9330	D5
9331	D5
9335	D5
9336	A5
9361	F3
9366	D5
9371	D4
9372	E4
9375	C3
9376	D4
9379	D4
9380	E4
9381	F4
9382	F4
9383	F4
9384	F4
9386	E4
9387	F3
9391	F4
9392	E4
9393	E4
9400	F4
9402	H5
9403	F5
9404	F5
9405	H5
9406	F4
9409	G5
9410	G5
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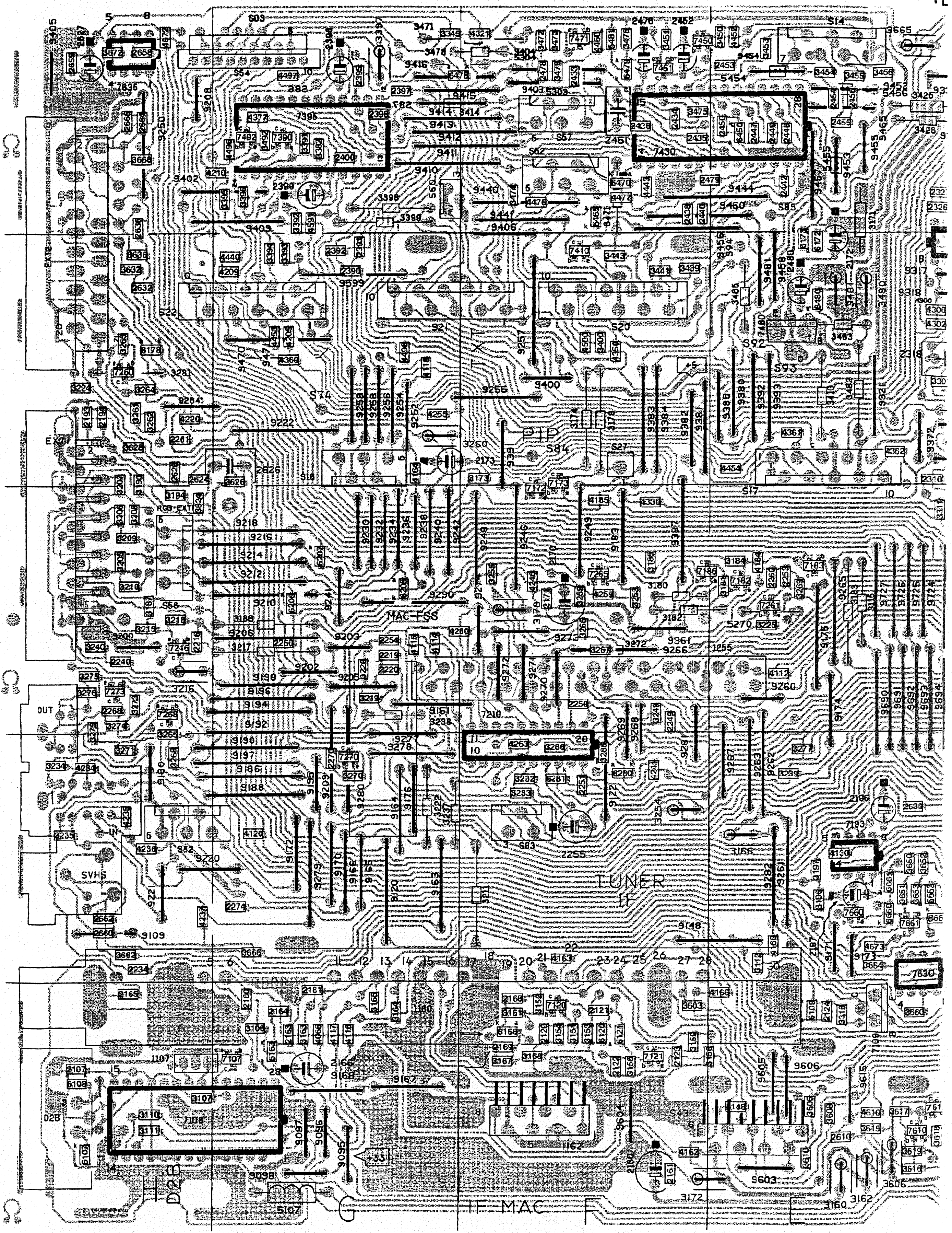
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EXT1
RGB-EXT
OUT
IN
SVHS
D2B
PIP
MAC-FSS
TUNER IF
IF MAC
+33
+5
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7108
7830
4130
S03
S14
S54
S57
S62
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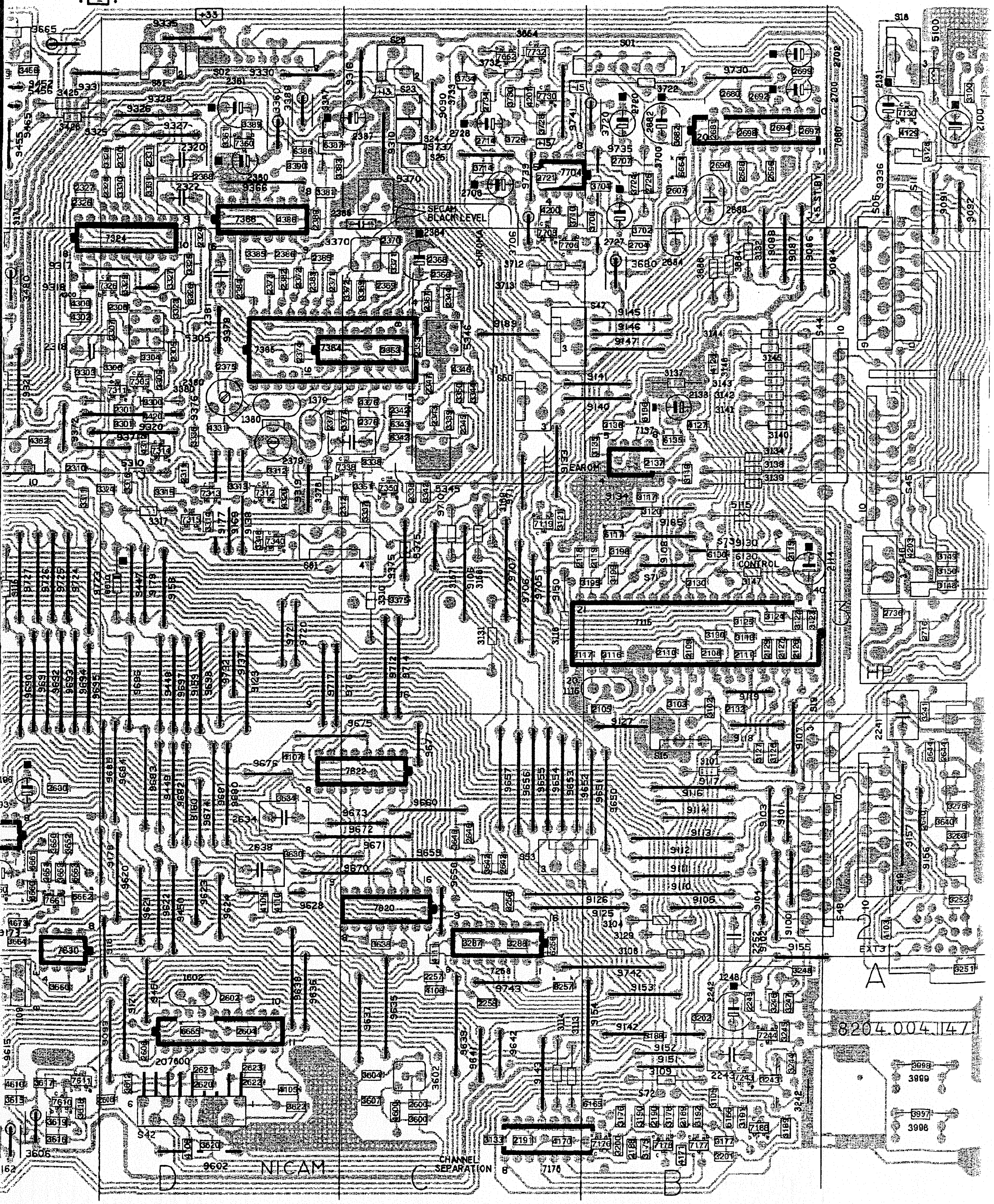
S22
S74
S43
S603
5107

Small signal panel Klein-signal Platine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+5 ST.BY
EXT3
NICAM
CHANNEL SEPARATION
A
B
C
D
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7324
7366
7364
7385
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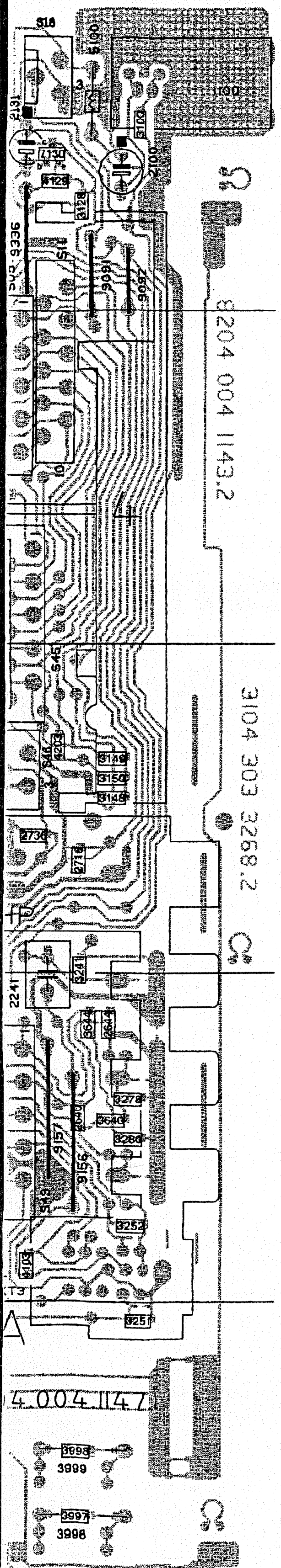
3997
3998

Platine à petite signaux



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EXT2	H4
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S02	D5
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S14	E5
S15	B2
S16	G4
S17	E4
S18	A5
S19	B2
S20	F4
S21	F4
S22	G4
S23	C5
S24	C5
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S27	F4
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S43	F1
S44	B4
S45	A4
S46	A3
S47	C4
S48	B2
S49	A2
S50	C4
S51	D5
S52	F5
S53	C2
S54	H5
S56	H3
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2110	B3
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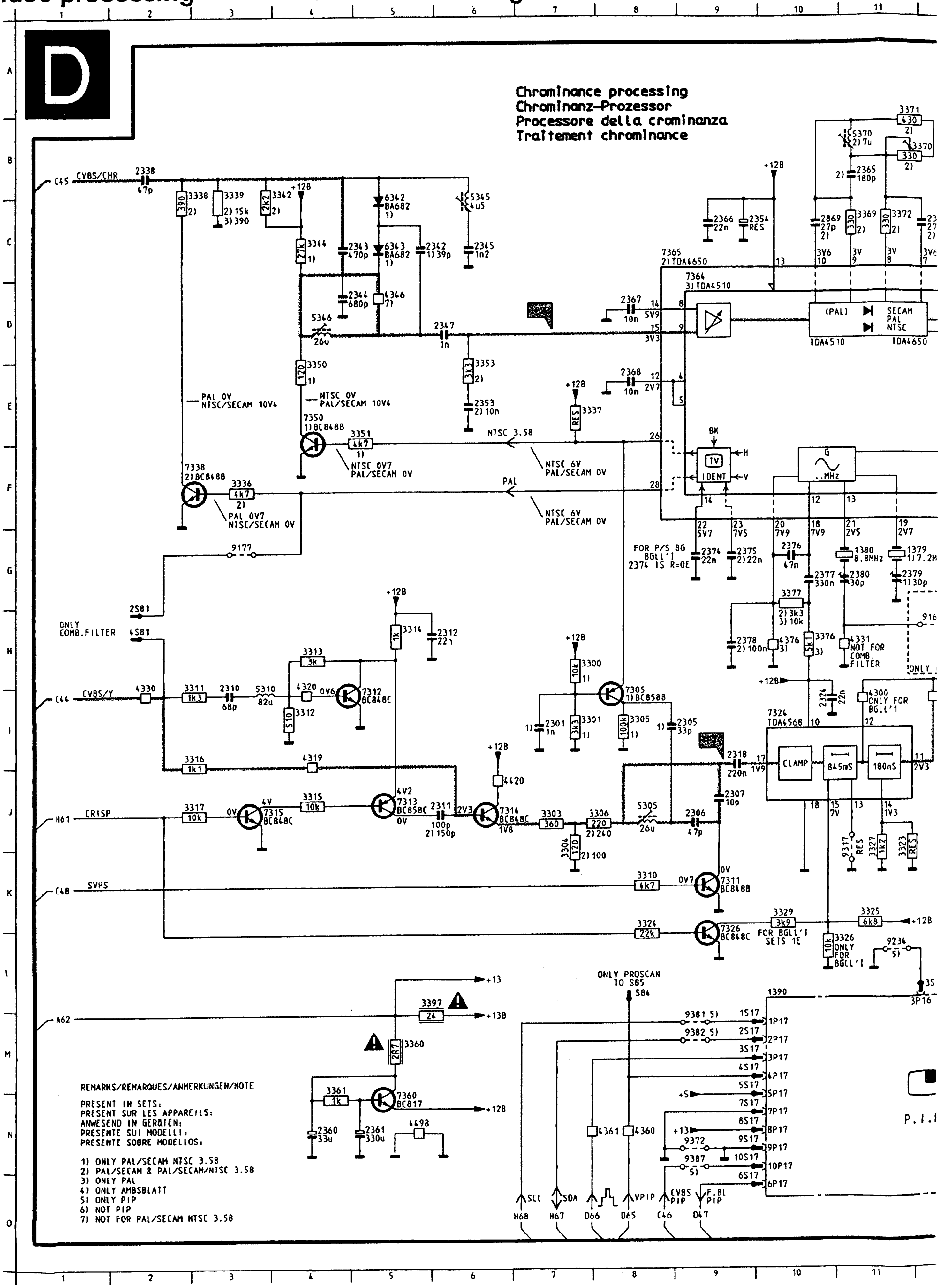
9400	F4
9402	H5
9403	F5
9404	F5
9405	H5
9406	F4
9409	G5
9410	G5
9411	F5
9412	F5
9413	G5
9414	G5
9415	F5
9416	G5
9440	F5
9441	F5
9444	E5
9447	D3
9448	D3
9449	D2
9450	D2
9451	D1
9452	E5
9453	E5
9454	E5
9455	E5
9456	F5
9457	E5
9458	E4
9460	F5
9465	E5
9470	G4
9471	G4
9481	E4
9599	G4
9602	D1
9603	E1
9604	F1
9605	E1
9606	E1
9615	E1
9620	D2
9621	D2
9622	D2
9623	D2
9624	D2
9628	D2
9635	C1
9636	D1
9637	C1
9638	D1
9639	C1
9641	C1
9642	C1
9650	B2
9651	B2
9652	C2
9653	C2
9654	C2
9655	C2
9656	C2
9657	C2
9658	C2
9659	C2
9660	C2
9670	C2
9671	D2
9672	C2
9673	C2
9674	D2
9675	D2
9676	D2
9677	C2
9680	D2
9681	D2
9682	D2
9683	D2
9684	D2
9685	D2
9690	E3
9691	E3
9692	E3
9693	E3
9694	E3
9695	E3
9696	D3
9697	D3
9698	D3
9705	C3
9706	C3
9707	C3
9710	C3
9711	C3
9712	C3
9714	C3
9716	D3
9717	D3
9720	D3
9721	D3
9723	E3
9724	E3
9725	E3
9726	E3
9727	E3
9730	B5
9732	D3
9736	B5
9737	C5
9739	C5
9741	C5
9742	B1
9743	C1

D

Chrominance processing
Chrominanz-Prozessor
Processore della crominanza
Traitement chrominance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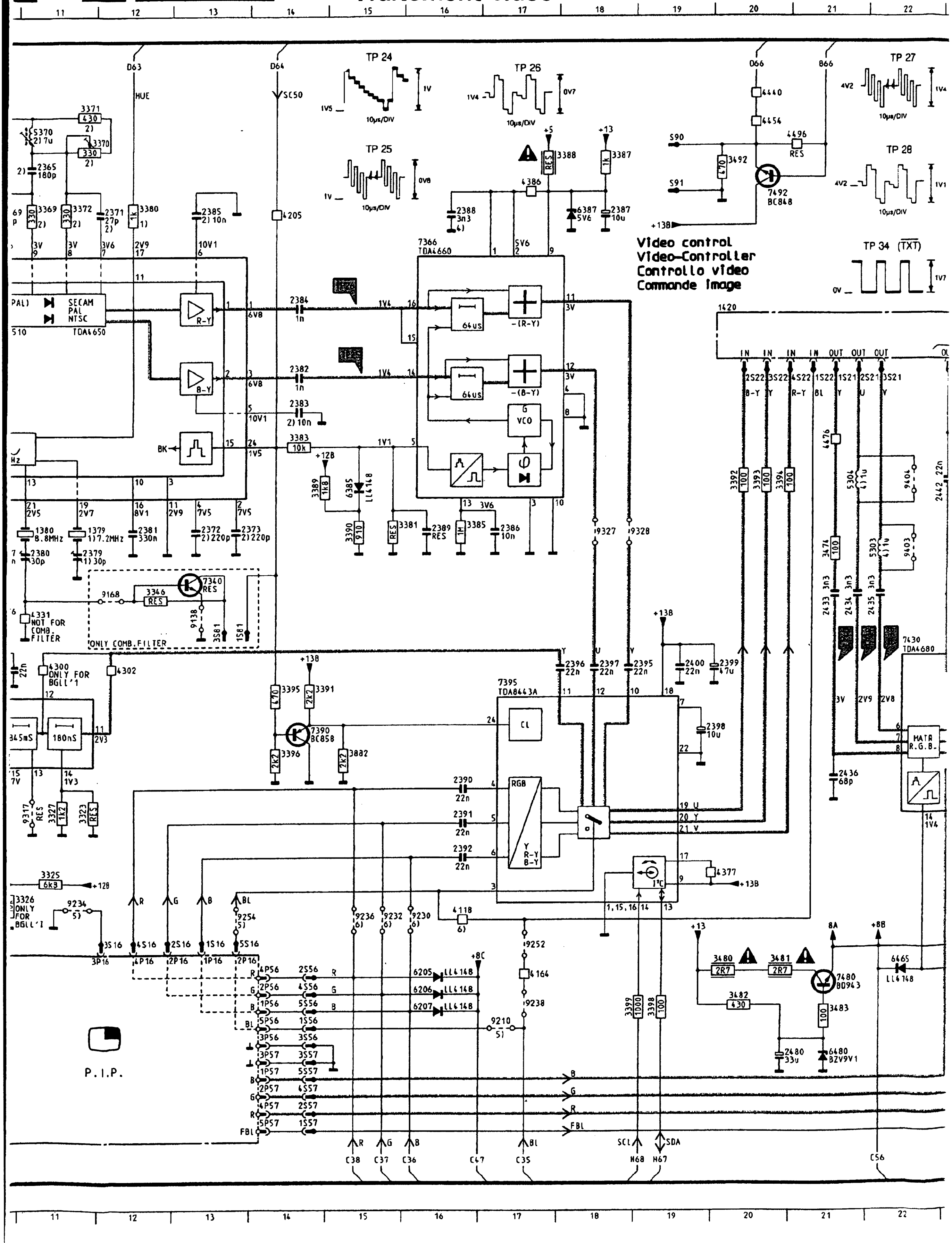
2338 47p
3338 390 2)
3339 2) 15k 3) 390
3342 2k2 2)
+12B
3344 27k 1)
6342 BA682 1)
6343 BA682 1)
2343 470p
2342 1) 39p
5345 4u5
2345 1n2
2344 680p
4346 7)
5346 26u
2347 1n
3353 3k3 2)
2353 2) 10n
3350 170 1)
PAL 0V NTSC/SECAM 10V4
NTSC 0V PAL/SECAM 10V4
7350 1) BC848B
3351 4k7 1)
NTSC 0V7 PAL/SECAM 0V
NTSC 3.58
NTSC 6V PAL/SECAM 0V
7338 2) BC848B
3336 4k7 2)
PAL 0V7 NTSC/SECAM 0V
PAL
9177
2S81
ONLY COMB.FILTER
4S81
C44 CVBS/Y
4330
3311 1k3
2310 68p
5310 82u
4320 0V6
3312 510
7312 BC848C
3313 3k
3314 1k
2312 22n
3316 1k1
4319
H61 CRISP
3317 10k
7315 BC848C
3315 10k
7313 BC858C 4V2 0V
2311 100p 2) 150p
2V3
7314 BC848C 1V8
4420
3303 360
3306 220 2) 240
3304 170 2) 100
5305 26u
2306 47p
2307 10p
2318 220n 1V9
C48 SVHS
3310 4k7
7311 BC848B 0V7 0V
3324 22k
7326 BC848C
3329 3k9 FOR BGL L'I SETS 1E
3325 6k8 +12B
3326 10k ONLY FOR BGLL'I
9234 5)
3300 10k 1)
3301 3k3 1)
2301 1) 1n
7305 1) BC858B
3305 100k 1)
2305 1) 33p
3337 RES
2367 10n 5V9
2368 10n 2V7
7365 2) TDA4650
7364 3) TDA4510
TDA4510 TDA4650
(PAL) SECAM PAL NTSC
BK
TV IDENT H V
G ..MHz
2366 22n
2354 RES
2869 27p 2)
3369 330 2)
3372 330 2)
3V6 3V 3V 3V6
3371 430
5370 2) 7u
3370 330 2)
2365 2) 180p
FOR P/S BG BGLL'I 2374 IS R=0E
2374 22n
2375 2) 22n
22 5V7 23 7V5 20 7V9 18 7V9 21 2V5 19 2V7
2376 47n
1380 8.8MHz
1379 1) 7.2M
2377 330n
2380 30p
2379 1) 30p
3377 2) 3k3 3) 10k
2378 2) 100n
4376 3)
3376 5k1 3)
4331 NOT FOR COMB. FILTER
ONLY
2374 22n
4300 ONLY FOR BGLL'I
7324 TDA4568
CLAMP 845nS 180nS
2V3
15 7V 14 1V3
9317 RES
3327 1k2
3323 RES
A62
3397 2A
+13 +13B +12B
3360 2R7
3361 1k
7360 BC817
2360 33u
2361 330u
4498
ONLY PROSCAN TO S85
S84
1390
3S 3P16
9381 5) 9382 5)
1S17 2S17 3S17 4S17 5S17 7S17 8S17 9S17 10S17 6S17
1P17 2P17 3P17 4P17 5P17 7P17 8P17 9P17 10P17 6P17
+5 +13
9372 9387 5)
4361 4360
SCL SDA VPIP CVBS PIP F.BL PIP
H68 H67 D66 D65 C46 D47
P.I.
A B C D E F G H I J K L M N O
1 2 3 4 5 6 7 8 9 10 11

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) ONLY PAL/SECAM NTSC 3.58
2) PAL/SECAM & PAL/SECAM/NTSC 3.58
3) ONLY PAL
4) ONLY AMBSBLATT
5) ONLY PIP
6) NOT PIP
7) NOT FOR PAL/SECAM NTSC 3.58

Traitement vidéo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TP 25
TP 26
TP 27
TP 28
TP 34 (TXT)
10µs/DIV
Video control
Video-Controller
Controllo video
Commande image
7366
TDA4660
-(R-Y)
-(B-Y)
64us
VCO
TDA4650
SECAM
PAL
NTSC
R-Y
B-Y
BK
HUE
SC50
D63
D64
D66
B66
S90
S91
7492
BC848
3492
4496
RES
4440
4454
3388
3387
4386
6387
5V6
2387
10u
2388
3n3
2384
1n
2382
2383
10n
3383
10k
3389
1k8
6385
LL4148
3390
910
3381
2389
3385
1M
2386
10n
9327
9328
7340
RES
3346
9168
9138
3581
1581
ONLY COMB.FILTER
4331
NOT FOR COMB. FILTER
1380
8.8MHz
1379
17.2MHz
2381
330n
2372
220p
2373
220p
4300
ONLY FOR BGL L'1
4302
180nS
3325
6k8
3326
ONLY FOR BGL L'1
9234
+12B
+13B
7390
BC858
3395
470
3391
2k2
3396
3882
7395
TDA8443A
CL
RGB
Y
R-Y
B-Y
2390
22n
2391
22n
2392
22n
2396
2397
2395
2400
2399
47u
2398
10u
4377
4118
9252
4164
9238
9210
9236
9232
9230
3399
3398
1000
100
SCL
SDA
H68
H67
1420
IN
OUT
2S22
3S22
4S22
1S22
1S21
2S21
3S21
3392
3393
3394
4476
5304
5303
3474
9404
9403
2433
2434
2435
3n3
2436
68p
7430
TDA4680
MATR R.G.B.
2442
22n
+13
3480
2R7
3481
7480
BD943
3482
430
3483
2480
33u
6480
BZV9V1
6465
LL4148
8A
+8B
+8C
6205
6206
6207
LL4148
3S16
4S16
2S16
1S16
5S16
3P16
4P16
2P16
1P16
2P16
4P56
2P56
1P56
5P56
3P56
3P57
1P57
2P57
4P57
5P57
2S56
4S56
5S56
1S56
3S56
3S57
5S57
4S57
2S57
1S57
R
G
B
BL
FBL
P.I.P.
C38
C37
C36
C47
C35
C56
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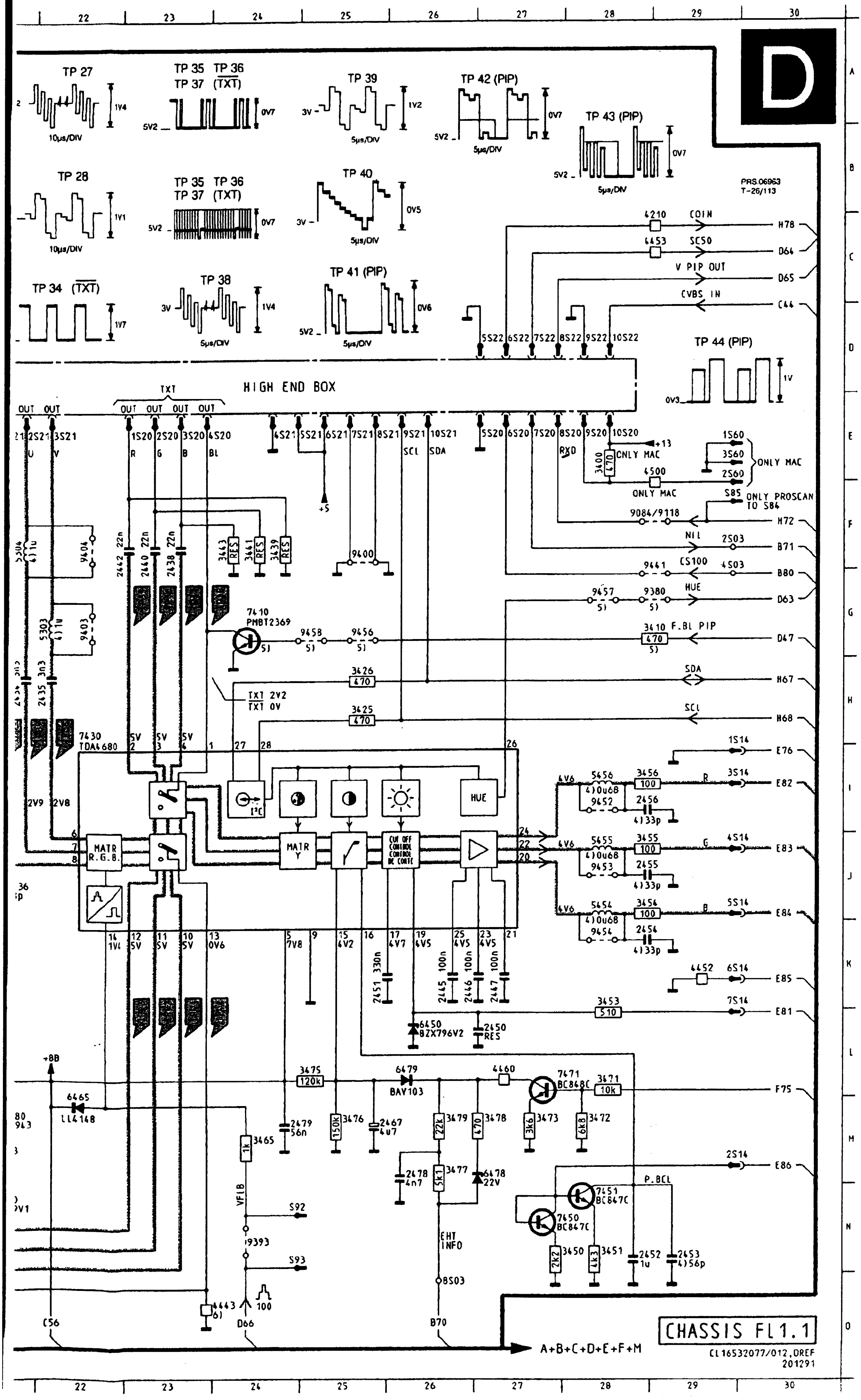
20
21
22


D
22
23
24
25
26
27
28
29
30
TP 27
10µs/DIV
1V4
TP 35 TP 36
TP 37 (TXT)
5V2
0V7
TP 39
3V
1V2
5µs/DIV
TP 42 (PIP)
TP 43 (PIP)
TP 28
1V1
TP 40
0V5
TP 34 (TXT)
1V7
TP 38
TP 41 (PIP)
0V6
TP 44 (PIP)
1V
0V3
PRS.06963
T-26/113
HIGH END BOX
TXT
OUT
COIN
SC50
V PIP OUT
CVBS IN
H78
D64
D65
C44
ONLY MAC
ONLY PROSCAN TO S84
H72
B71
B80
D63
D47
H67
H68
E76
E82
E83
E84
E85
E81
F75
E86
HUE
F.BL PIP
SDA
SCL
7410
PMBT2369
TXT 2V2
TXT 0V
7430
TDA4680
MATR R.G.B.
MATR Y
I²C
6450
BZX79C
6465
LL4148
6479
BAV103
7471
BC848C
7451
BC847C
7450
BC847C
6478
22V
EHT INFO
VFIB
9393
S92
S93
P.BCL
+8B
+5
+13
C56
D66
B70
A+B+C+D+E+F+M
CHASSIS FL1.1
CL 16532077/012.DREF
201291

1379	G11	3381	G15	7480	M21
1380	G11	3383	F14	7492	C20
1390	L10	3385	G16	9084	F29
1420	D20	3387	B18	9138	H13
2301	I 7	3388	B17	9168	H12
2305	I 9	3389	F14	9177	G 3
2306	J 9	3390	G15	9210	M17
2307	J 9	3391	I14	9230	L16
2310	I 3	3392	F20	9232	L15
2311	J 6	3393	F20	9234	L11
2312	H 6	3394	F20	9236	L15
2318	I 9	3395	I14	9238	M17
2324	I10	3396	J14	9252	L17
2338	B 2	3397	L 5	9254	L13
2342	C 5	3398	M19	9317	K11
2343	C 4	3399	M18	9327	G18
2344	D 4	3400	E28	9328	G18
2345	C 6	3410	G29	9372	N 9
2347	D 6	3425	H25	9380	G29
2353	E 6	3426	H25	9381	M 9
2354	C 9	3439	F24	9382	M 9
2360	N 4	3441	F24	9387	N 9
2361	N 5	3443	F24	9393	N24
2365	B11	3450	N27	9400	F25
2366	C 9	3451	N28	9403	G22
2367	D 8	3453	K28	9404	F22
2368	E 8	3454	J28	9441	F29
2371	C12	3455	J28	9452	I28
2372	G13	3456	I28	9453	J28
2373	G13	3465	M24	9454	K28
2374	G 9	3471	L28	9456	G25
2375	G 9	3472	M28	9457	G28
2376	G10	3473	M27	9458	G25
2377	G10	3474	G21		
2378	H 9	3475	L25		
2379	G11	3476	M25		
2380	G11	3477	M26		
2381	G12	3478	M27		
2382	E14	3479	M26		
2383	E14	3480	L20		
2384	D14	3481	L20		
2385	C13	3482	M20		
2386	G17	3483	M21		
2387	C18	3492	B20		
2388	C16	3882	J15		
2389	G16	4118	L16		
2390	J16	4164	M17		
2391	K16	4205	C14		
2392	K16	4210	C29		
2395	I18	4300	I11		
2396	I18	4302	I12		
2397	I18	4319	I 4		
2398	I19	4320	I 4		
2399	I20	4330	I 2		
2400	I19	4331	H11		
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2434	H21	4360	N 8		
2435	H22	4361	N 8		
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2447	K27	4452	K29		
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2455	J28	4498	N 5		
2456	I28	4500	E29		
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2869	C10	5345	C 6		
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3301	I 7	5370	B11		
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3306	J 8	6205	M16		
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3311	I 3	6207	M16		
3312	I 4	6342	C 5		
3313	H 4	6343	C 5		
3314	H 5	6385	F15		
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3317	J 3	6465	M22		
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3336	F 3	7313	J 5		
3337	E 7	7314	J 6		
3338	B 2	7315	J 3		
3339	B 3	7324	I10		
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3344	C 4	7338	F 2		
3346	H12	7340	H13		
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3353	D 6	7364	D 9		
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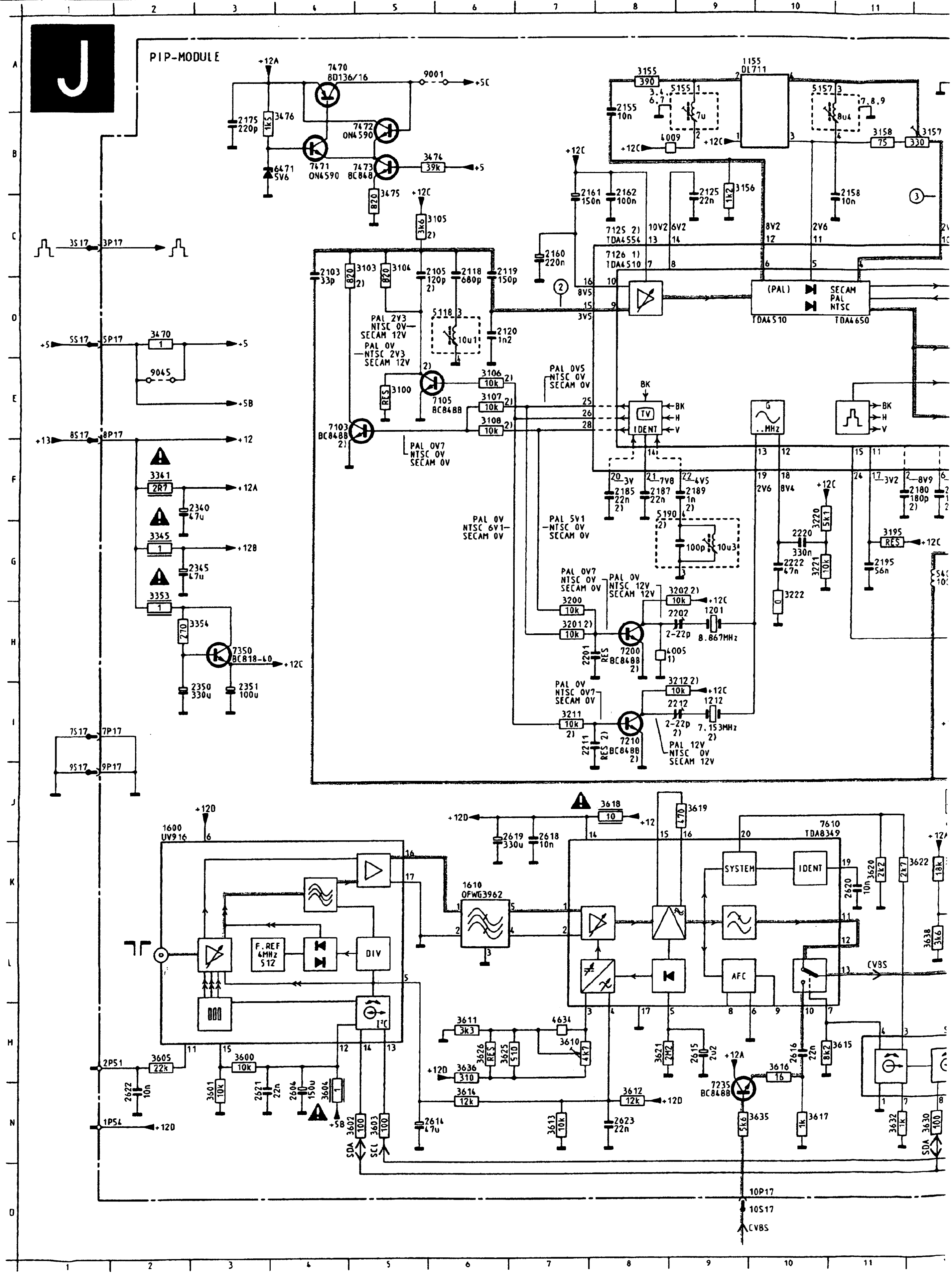
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7470
BD136/16
9001
+5C
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220p
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7471
ON4590
7473
BC848
6471
5V6
3474
39k
+5
3475
820
+12C
3105
3k6
3S17
3P17
5S17
5P17
3470
9045
+5B
+13
8S17
8P17
+12
3361
2R7
+12A
2340
47u
3345
+12B
2345
47u
3353
3354
270
7350
BC818-40
2350
330u
2351
100u
7S17
7P17
9S17
9P17
2103
33p
3103
3104
2105
120p
2118
680p
2119
150p
5118
10u1
2120
1n2
PAL 2V3
NTSC 0V
SECAM 12V
PAL 0V
NTSC 2V3
SECAM 12V
3100
RES
7105
BC848B
7103
BC848B
3106
10k
3107
10k
3108
10k
PAL 0V5
NTSC 0V
SECAM 0V
PAL 0V7
NTSC 0V
SECAM 0V
1155
DL711
3155
390
5155
7u
2155
10n
4009
+12C
5157
8u4
3158
75
3157
330
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10n
2161
150n
2162
100n
2125
22n
3156
1k2
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220n
7125 2)
TDA4554
7126 1)
TDA4510
10V2
6V2
8V2
2V6
8V5
3V5
(PAL)
SECAM
PAL
NTSC
TDA4510
TDA4650
BK
TV
IDENT
H
V
..MHz
2185
22n
2187
22n
2189
1n
5190
100p
10u3
3V
7V8
4V5
2V6
8V4
8V9
3V2
2180
180p
2220
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3220
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3221
10k
2222
47n
3222
0
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RES
2195
56n
PAL 0V
NTSC 6V1
SECAM 0V
PAL 5V1
NTSC 0V
SECAM 0V
PAL 0V7
NTSC 0V
SECAM 0V
PAL 0V
NTSC 12V
SECAM 12V
3200
10k
3201 2)
10k
3202 2)
10k
2202
2-22p
1201
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BC848B
2201
RES
PAL 0V
NTSC 0V7
SECAM 0V
3211
10k
3212 2)
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2212
2-22p
1212
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RES
PAL 12V
NTSC 0V
SECAM 12V
+12D
1600
UV916
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DIV
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OFWG3962
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330u
2618
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7610
TDA8349
SYSTEM
IDENT
AFC
CVBS
2620
10n
3620
2k2
3622
2k7
18k
3638
3k6
2P51
3605
22k
2622
10n
3600
10k
3601
10k
2621
22n
2604
150u
3604
1P54
+5B
3602
100
3603
100
SDA
SCL
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47u
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3k3
3626
RES
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3610
4k7
3636
310
3614
12k
3613
10k
3612
12k
2623
22n
3621
2M2
2615
2u2
7235
BC848B
3635
5k6
3616
16
2616
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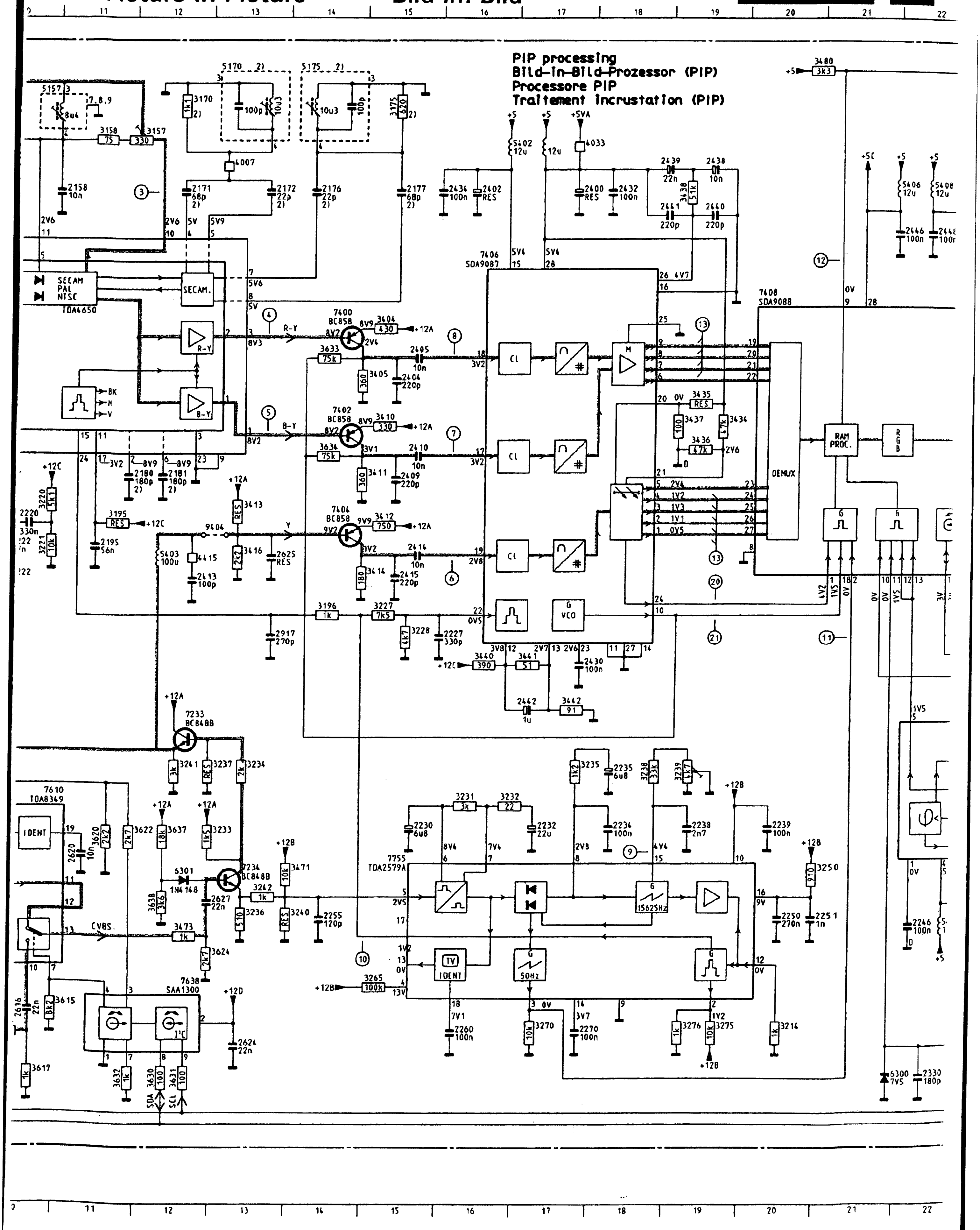
10P17
10S17
CVBS

Picture in Picture   Bild im Bild


PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)
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7,8,9
3158 75
3157 330
2158 10n
5170 2)
5175 2)
3170 1k1 2)
100p
10u3
3175 620 2)
4007
2171 68p 2)
2172 22p 2)
2176 22p 2)
2177 68p 2)
SECAM
PAL
NTSC
TDA4650
SECAM.
R-Y
B-Y
BK
H
V
7400 BC858
3404 430
3633 75k
2405 10n
3405 360
2404 220p
7402 BC858
3410 330
3634 75k
2410 10n
3411 360
2409 220p
7404 BC858
3412 750
2414 10n
3414 180
2415 220p
3413 RES
3416 2k2
2625 RES
9404
5403 100u
4415
2413 100p
3195 RES
3220 5k1
2220 330n
3221 10k
2195 56n
2180 180p 2)
2181 180p 2)
3196 1k
3227 7k5
3228 4k7
2227 330p
2917 270p
+5
5402 12u
12u
+5VA
4033
2434 100n
2402 RES
2400 RES
2432 100n
2439 22n
2438 10n
3438 51k
2441 220p
2440 220p
7406 SDA9087
Cl
M
G VCO
3435 RES
3437 100
3436 47k
3434 47k
3440 390
3441 51
2430 100n
2442 1u
3442 91
3480 3k3
5406 12u
5408 12u
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2448 100n
7408 SDA9088
DEMUX
RAM PROC.
R G B
G
+12C
+12A
+12B
+12D
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3237 RES
3234 2k
7610 TDA8349
IDENT
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2620 10n
3622 2k7
3637 18k
3233 1k5
6301 1N4148
7234 BC848B
3638 3k6
2627 22n
3262 1k
3236 510
3471 10k
3240 RES
2255 120p
CVBS.
3473 1k
3624 2k7
7638 SAA1300
I²C
2624 22n
2616 22n
3615 8k2
3617 1k
3632 1k
3630 100
3631 100
SDA
SCL
3231 3k
3232 22
2230 6u8
2232 22u
3235 1k2
2235 6u8
2234 100n
3238 33k
3239 4k7
2238 2n7
2239 100n
7755 TDA2579A
15625Hz
TV IDENT
50Hz
3265 100k
2260 100n
3270 10k
2270 100n
3276 1k
3275 10k
3214 1k
3250 910
2250 270n
2251 1n
2246 100n
6300 7V5
2330 180p
① ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑳ ㉑

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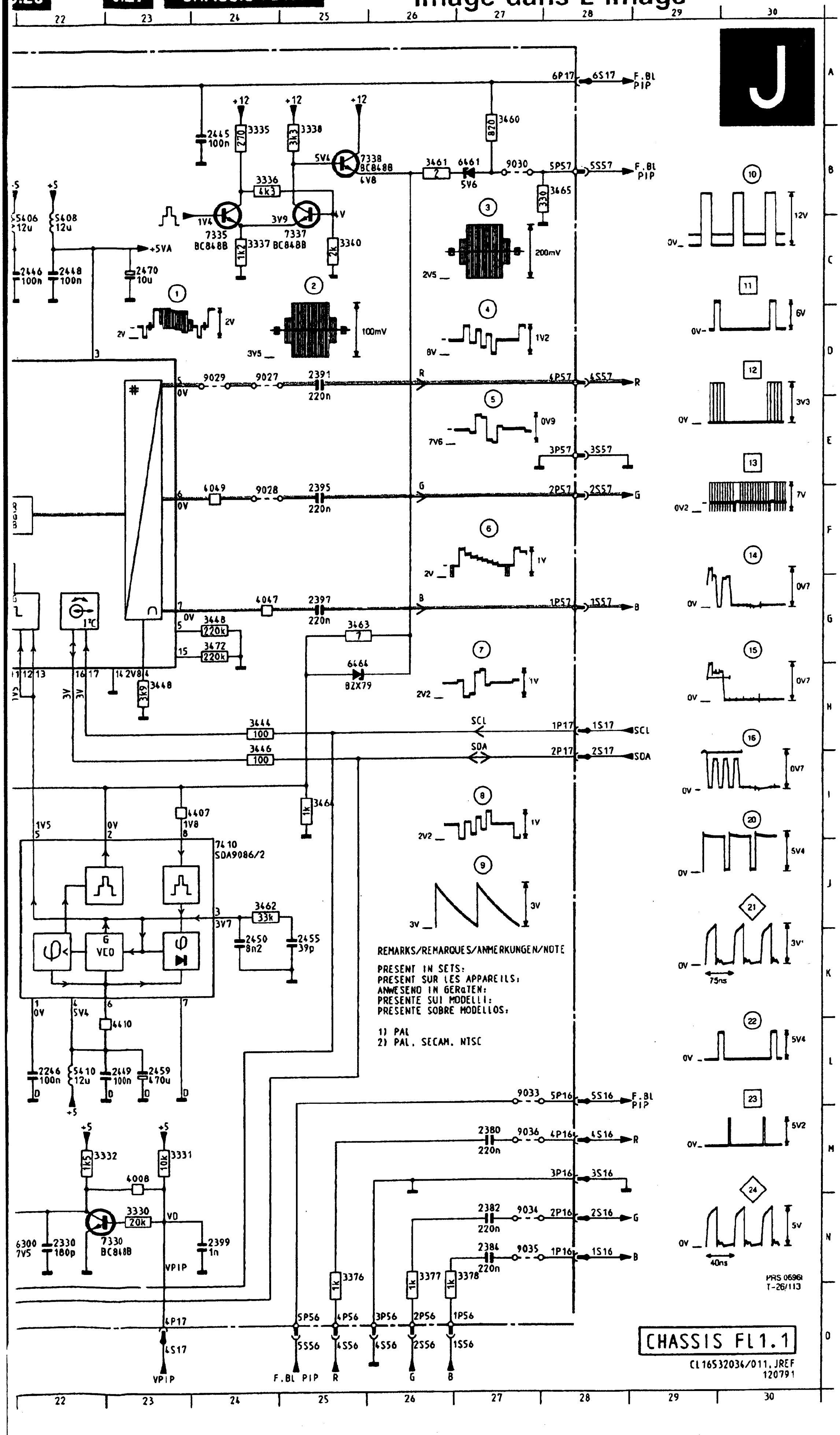
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BC848B
5V4
4V8
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5V6
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4V
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3340
2k
+5
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12u
5408
12u
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2448
100n
+5VA
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3V3
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3P56
3S56
2P56
2S56
1P56
1S56
F.BL PIP
PRS 06961
T-26/113

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) PAL
2) PAL, SECAM, NTSC

CHASSIS FL1.1

CL 16532034/011.JREF
120791

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2155	B 8	3235	J17	6301	K12
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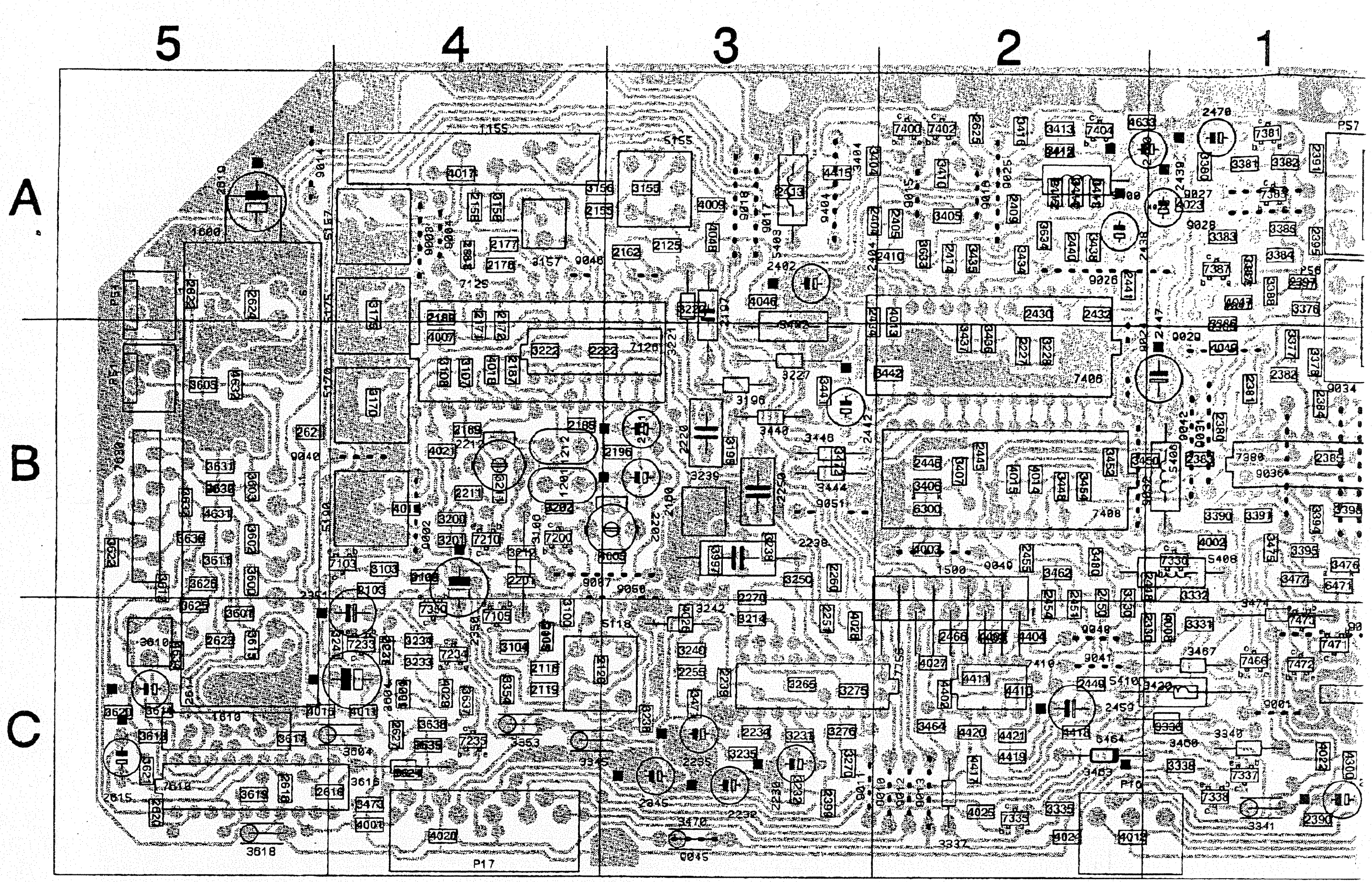
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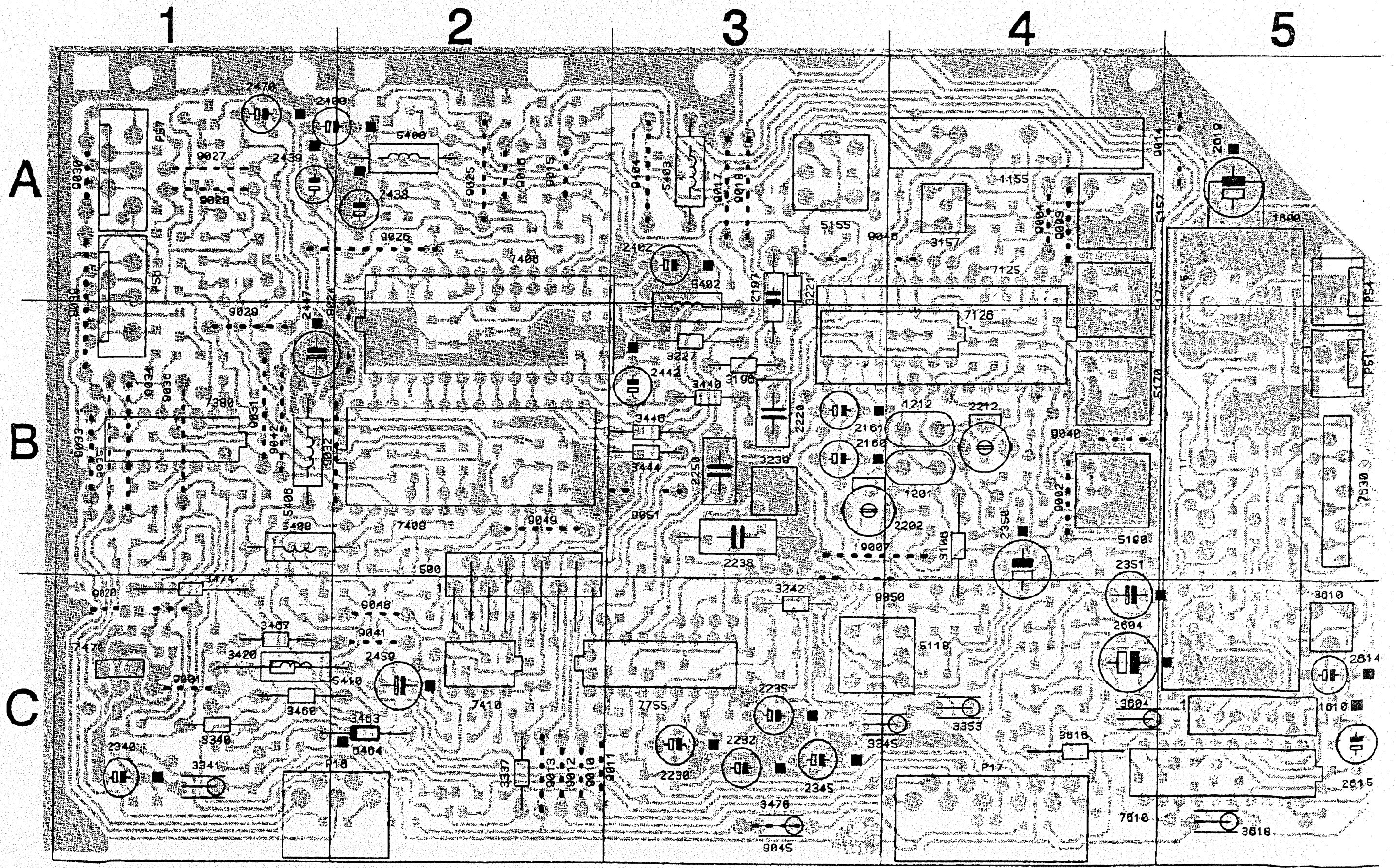
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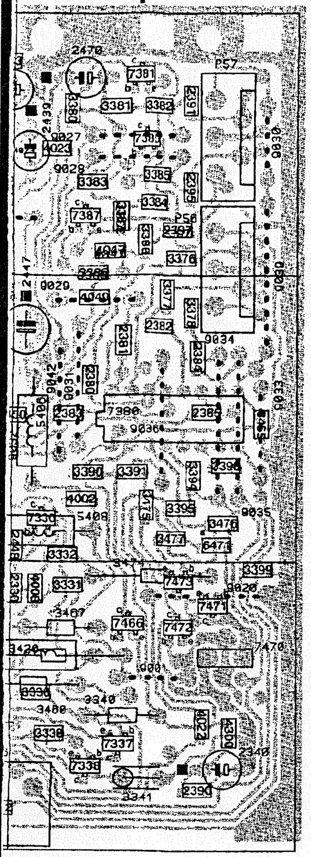
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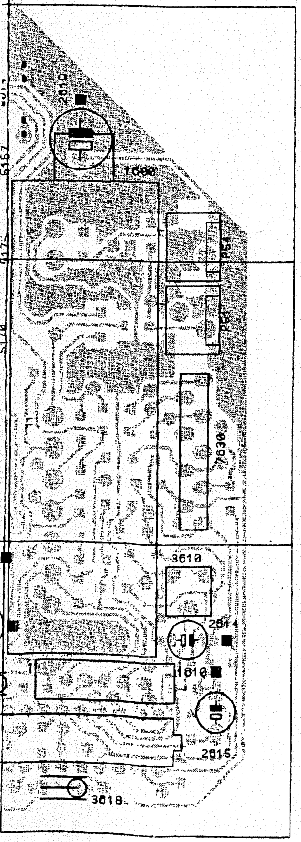
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P56	B1
P57	A1
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1212	B4
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1600	B5
1610	C5
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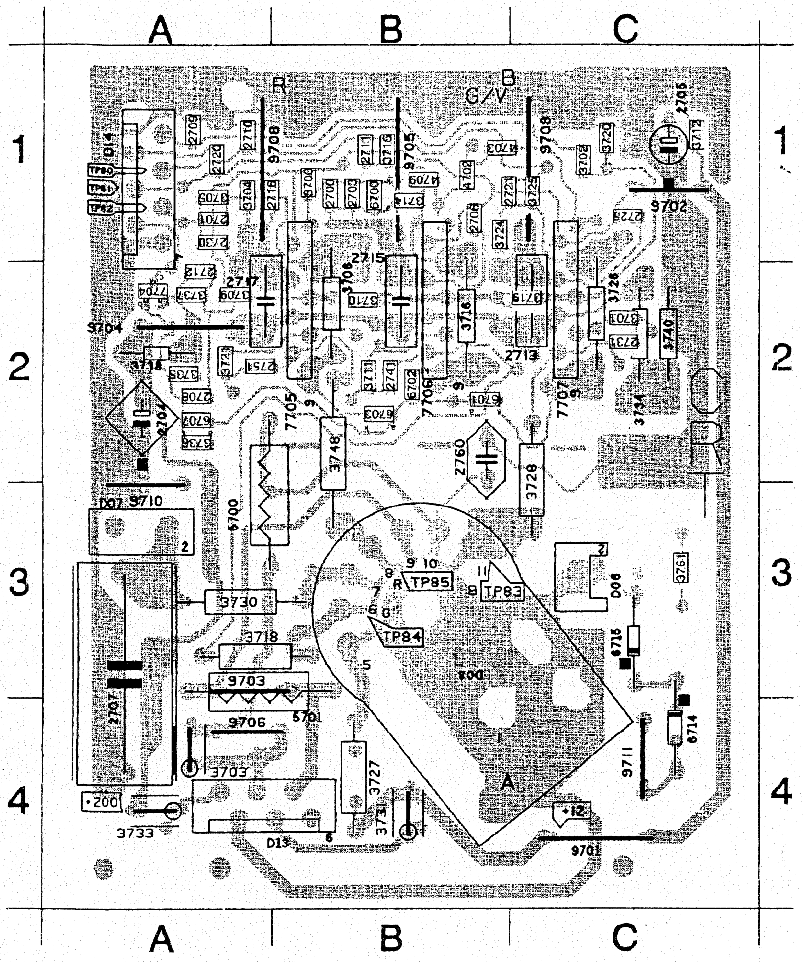
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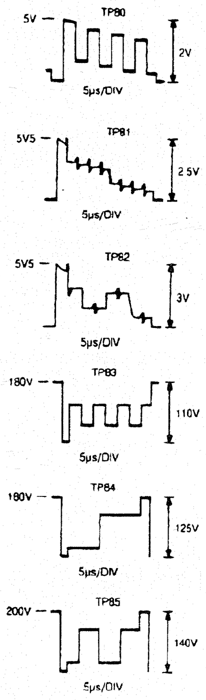

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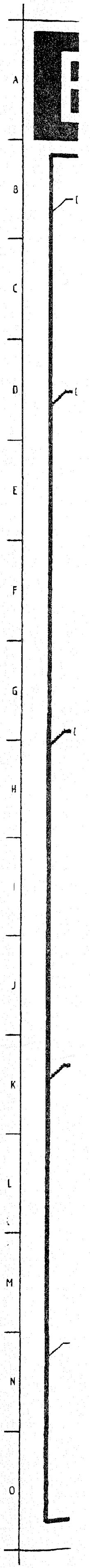
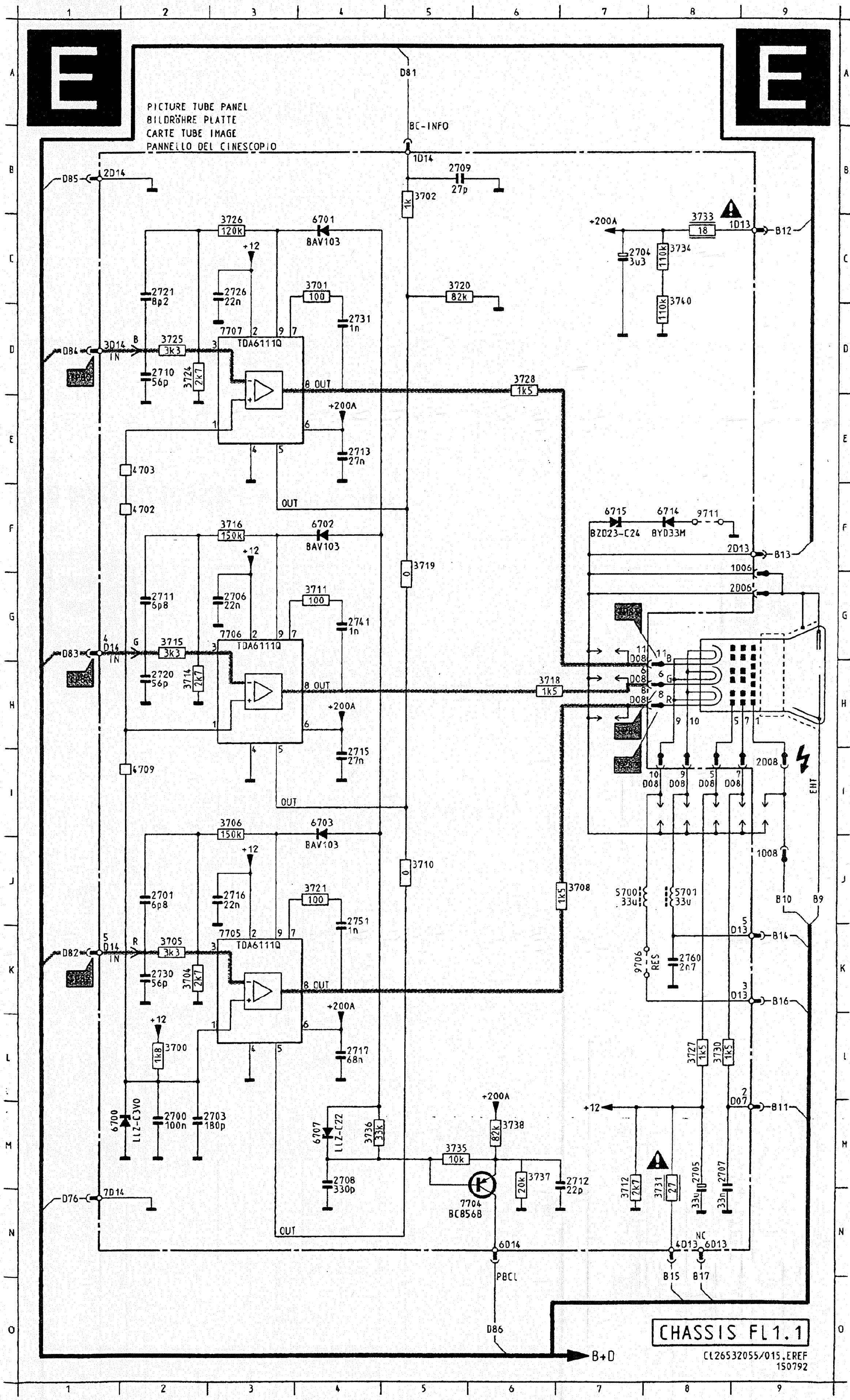
3700	B1	3738	A2		
3701	C2	3740	C2		

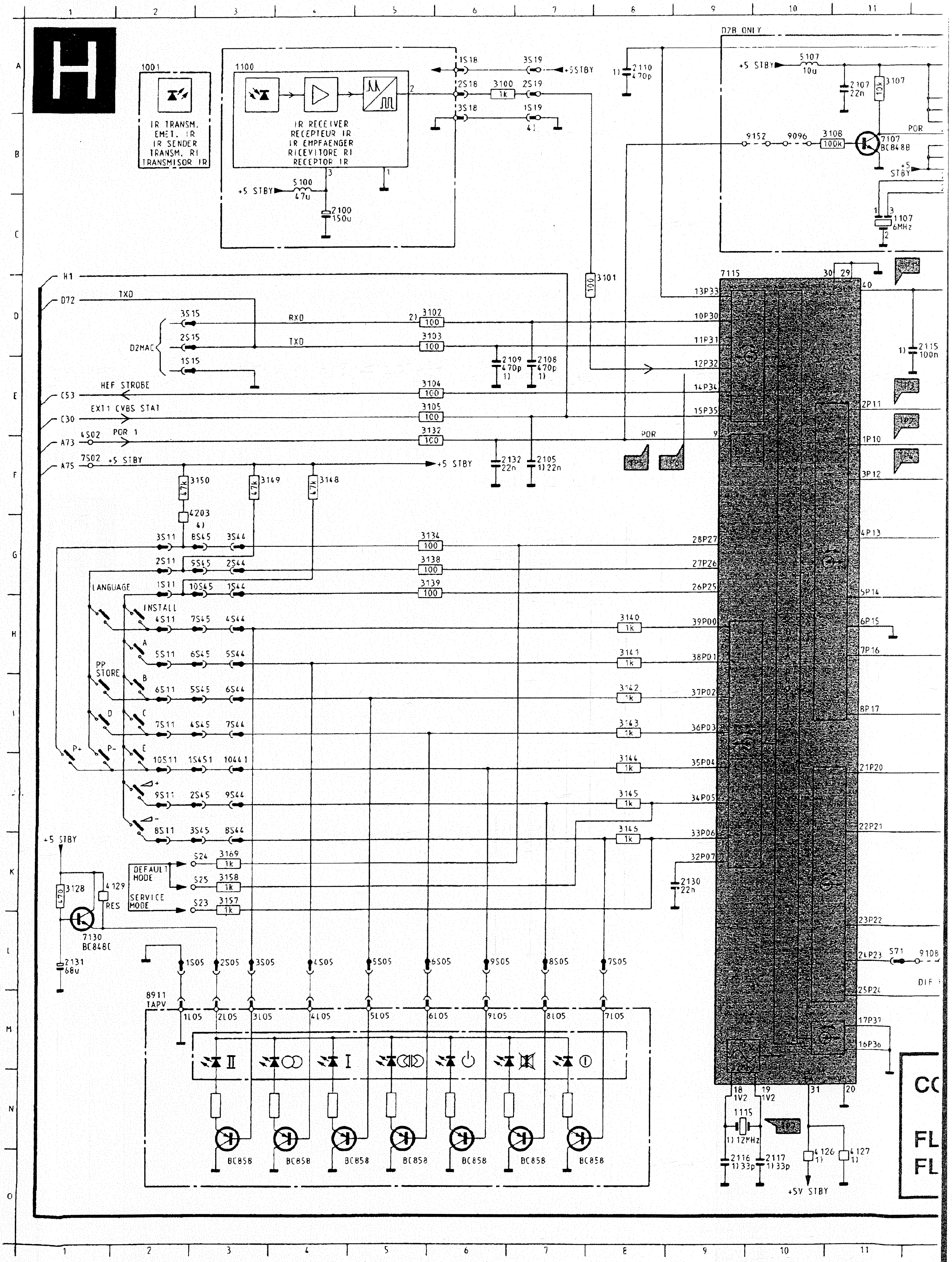

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

6.31 CHASSIS FL1.1 Platine TRC

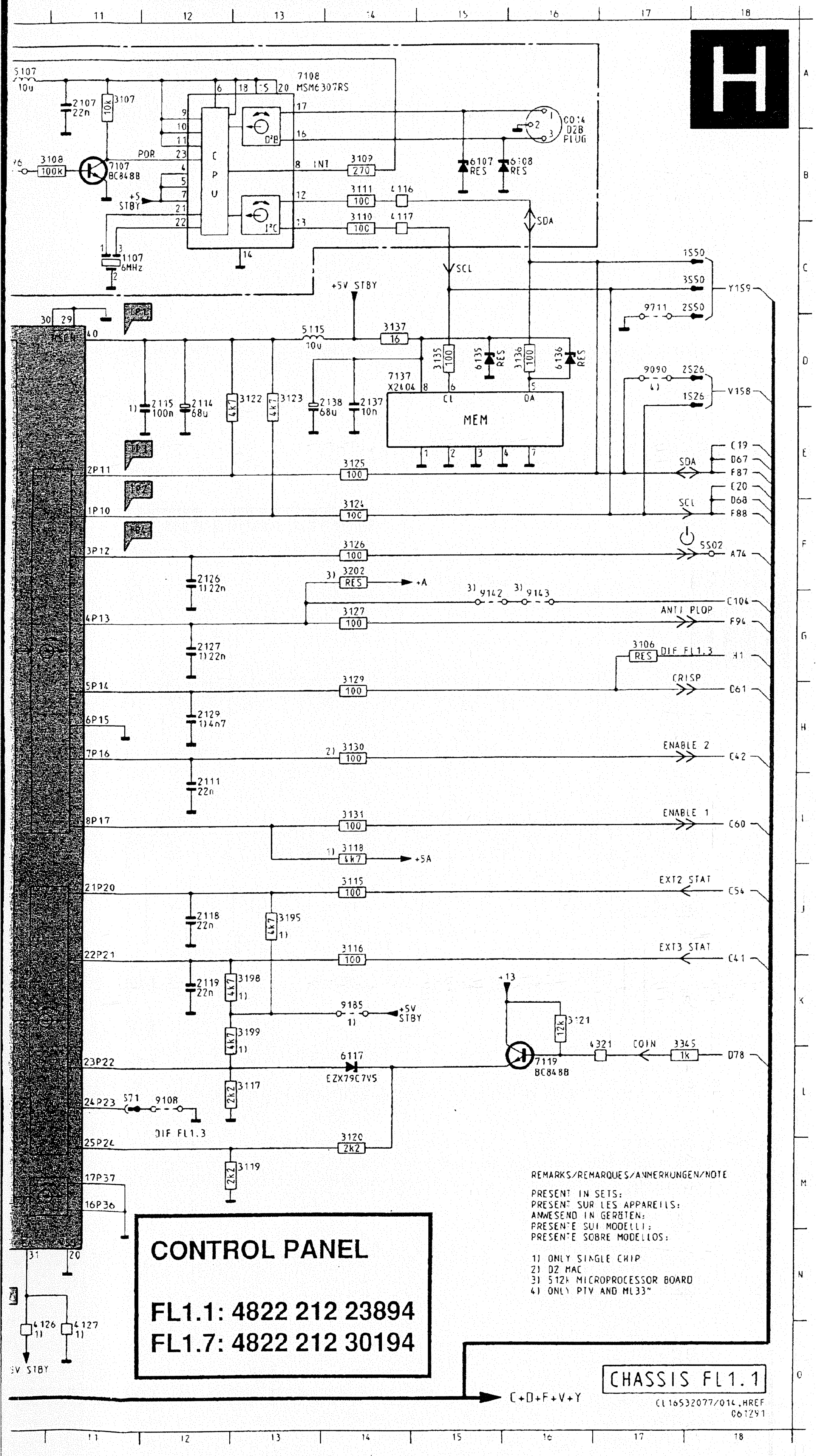

E
PICTURE TUBE PANEL
BILDRÖHRE PLATTE
CARTE TUBE IMAGE
PANNELLO DEL CINESCOPIO
D81
BC-INFO
1D14
2709 27p
3702 1k
D85
2D14
3726 120k
6701 BAV103
+12
2721 8p2
2726 22n
3701 100
2731 1n
3720 82k
7707 TDA6111Q
D84
3D14 IN
B
3725 3k3
2710 56p
3724 2k7
8 OUT
+200A
3728 1k5
2713 27n
OUT
4703
4702
3716 150k
6702 BAV103
3719 0
2711 6p8
2706 22n
3711 100
2741 1n
7706 TDA6111Q
D83
4 D14 IN
G
3715 3k3
2720 56p
3714 2k7
3718 1k5
2715 27n
4709
3706 150k
6703 BAV103
3710 0
2701 6p8
2716 22n
3721 100
2751 1n
7705 TDA6111Q
D82
5 D14 IN
R
3705 3k3
2730 56p
3704 2k7
3708 1k5
2717 68n
3700 1k8
6700 LLZ-C3V0
2700 100n
2703 180p
6707 LLZ-C22
3736 33k
2708 330p
3735 10k
3738 82k
3737 20k
2712 22p
7704 BC856B
D76
7D14
6D14
PBCL
D86
B+D
+200A
3733 18
1D13
B12
2704 3u3
3734 110k
3740 110k
6715 BZD23-C24
6714 BYD33M
9711
2D13
B13
1D06
2D06
D08
2D08
EHT
1D08
5700 33u
5701 33u
B10
B9
5 D13
B14
9706 RES
2760 2n7
3 D13
B16
3727 1k5
3730 1k5
2 D07
B11
+12
3712 2k7
3731 27
2705 33u
2707 33n
NC
4D13
6D13
B15
B17
CHASSIS FL1.1
CL26532055/015.EREF
150792

2700	M 2
2701	J 2
2703	M 2
2704	C 7
2705	M 8
2706	G 3
2707	M 8
2708	M 4
2709	B 5
2710	D 2
2711	G 2
2712	M 7
2713	E 4
2715	I 4
2716	J 3
2717	L 4
2720	H 2
2721	C 2
2726	C 3
2730	K 2
2731	D 4
2741	G 4
2751	K 4
2760	K 8
3700	L 2
3701	C 4
3702	B 5
3704	K 2
3705	K 2
3706	I 3
3708	J 7
3710	J 5
3711	G 4
3712	M 7
3714	H 2
3715	G 2
3716	F 3
3718	H 6
3719	F 5
3720	C 5
3721	J 4
3724	D 2
3726	C 3
3727	L 8
3728	D 6
3730	L 8
3731	M 8
3733	C 8
3734	C 8
3735	M 5
3736	M 4
3737	M 6
3738	M 6
3740	C 8
4702	F 2
4703	E 2
4709	I 2
5700	J 7
5701	J 8
6700	M 1
6701	C 4
6702	F 4
6703	I 4
6707	M 4
6714	F 8
6715	F 7
7704	N 6
7705	K 3
7706	G 3
7707	D 3
9706	K 7
9711	F 8

Control / Bedienung / Commande


H
1001
IR TRANSM.
EMET. IR
IR SENDER
TRANSM. RI
TRANSMISOR IR
1100
IR RECEIVER
RECEPTEUR IR
IR EMPFAENGER
RICEVITORE RI
RECEPTOR IR
+5 STBY
5100 47u
2100 150u
1S18
2S18
3S18
3100 1k
3S19
2S19
1S19
+5STBY
2110 470p
D7B ONLY
5107 10u
2107 22n
3107 10k
9152
9096
3108 100k
7107 BC848B
POR
1107 6MHz
H1
D72
TXD
RXD
D2MAC
3S15
2S15
1S15
3101 100
3102 100
3103 100
2109 470p
2108 470p
HEF STROBE
C53
EXT1 CVBS STAT
C30
4S02
POR 1
A73
7S02
+5 STBY
A75
3104 100
3105 100
3132 100
2132 22n
2105 22n
3150 47k
3149 47k
3148 47k
4203
3S11
8S45
3S44
2S11
5S45
2S44
LANGUAGE
1S11
10S45
1S44
INSTALL
4S11
7S45
4S44
A
5S11
6S45
5S44
PP STORE
B
6S11
5S45
6S44
D
C
7S11
4S45
7S44
P+
P-
E
10S11
1S4S1
1044 1
9S11
2S45
9S44
8S11
3S45
8S44
3134 100
3138 100
3139 100
3140 1k
3141 1k
3142 1k
3143 1k
3144 1k
3145 1k
3146 1k
3169 1k
3158 1k
3157 1k
S24
S25
S23
DEFAULT MODE
SERVICE MODE
3128 470
4129
RES
7130 BC848C
2131 68u
2130 22n
7115
13P33
10P30
11P31
12P32
14P34
15P35
28P27
27P26
26P25
39P00
38P01
37P02
36P03
35P04
34P05
33P06
32P07
30
29
40
2P11
1P10
3P12
4P13
5P14
6P15
7P16
8P17
21P20
22P21
23P22
24P23
25P24
17P37
16P36
2115 100n
S71
9108
DIF
1S05
2S05
3S05
4S05
5S05
6S05
9S05
8S05
7S05
8911 TAPV
1L05
2L05
3L05
4L05
5L05
6L05
9L05
8L05
7L05
BC858
18 1V2
19 1V2
1115 12MHz
2116 33p
2117 33p
31
20
4126
4127
+5V STBY
CC
FL
FL
1 2 3 4 5 6 7 8 9 10 11
A B C D E F G H I J K L M N O

6.32 **6.33** **CHASSIS FL1.1**



11
12
13
14
15
16
17
18
H
5107 10u
2107 22n
3107 10k
7108 MSM6307RS
CPU
D²B
I²C
17
16
INT
3109 270
3111 10C
4116
3110 10C
4117
SDA
SCL
C014 D2B PLUG
6107 RES
6108 RES
3108 100k
7107 BC848B
POR
+5 STBY
1107 6MHz
+5V STBY
5115 10u
3137 16
3135 100
6135 RES
3136 100
6136 RES
7137 X2404
MEM
CL
DA
2115 100n
2114 68u
3122 4k7
3123 4k7
2138 68u
2137 10n
1S50
3S50
Y159
9711
2S50
9090
2S26
1S26
V158
2P11
3125 100
1P10
3124 10C
3P12
3126 100
C19
D67
F87
C20
D68
F88
SDA
SCL
5S02
A74
2126 1) 22n
3) 3202 RES
+A
3) 9142
3) 9143
C104
4P13
3127 100
ANTI PLOP
F94
2127 1) 22n
3106 RES
DIF FL1.3
H1
5P14
3129 100
CRISP
C61
2129 1) 4n7
6P15
7P16
2) 3130 100
ENABLE 2
C42
2111 22n
8P17
3131 100
ENABLE 1
C60
1) 3118 4k7
+5A
21P20
3115 100
EXT2 STAT
C54
2118 22n
3195 4k7 1)
22P21
3116 100
EXT3 STAT
C41
2119 22n
3198 4k7 1)
9185 1)
+5V STBY
+13
3121 12k
3199 4k7 1)
23P22
6117 EZX79C7V5
7119 BC848B
4321
COIN
3345 1k
D78
24P23
S71
9108
DIF FL1.3
3117 2k2
25P24
3120 2k2
3119 2k2
17P37
16P36
30
29
40
31
20
4126 1)
4127 1)
5V STBY
C+D+F+V+Y
CL 16532077/014.HREF 061291

CONTROL PANEL

FL1.1: 4822 212 23894

FL1.7: 4822 212 30194

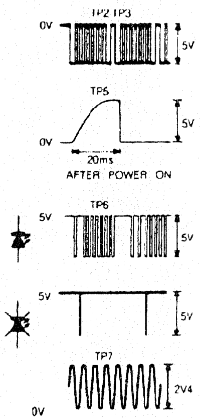
REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) ONLY SINGLE CHIP
2) D2 MAC
3) 512k MICROPROCESSOR BOARD
4) ONLY PTV AND ML33"

CHASSIS FL1.1

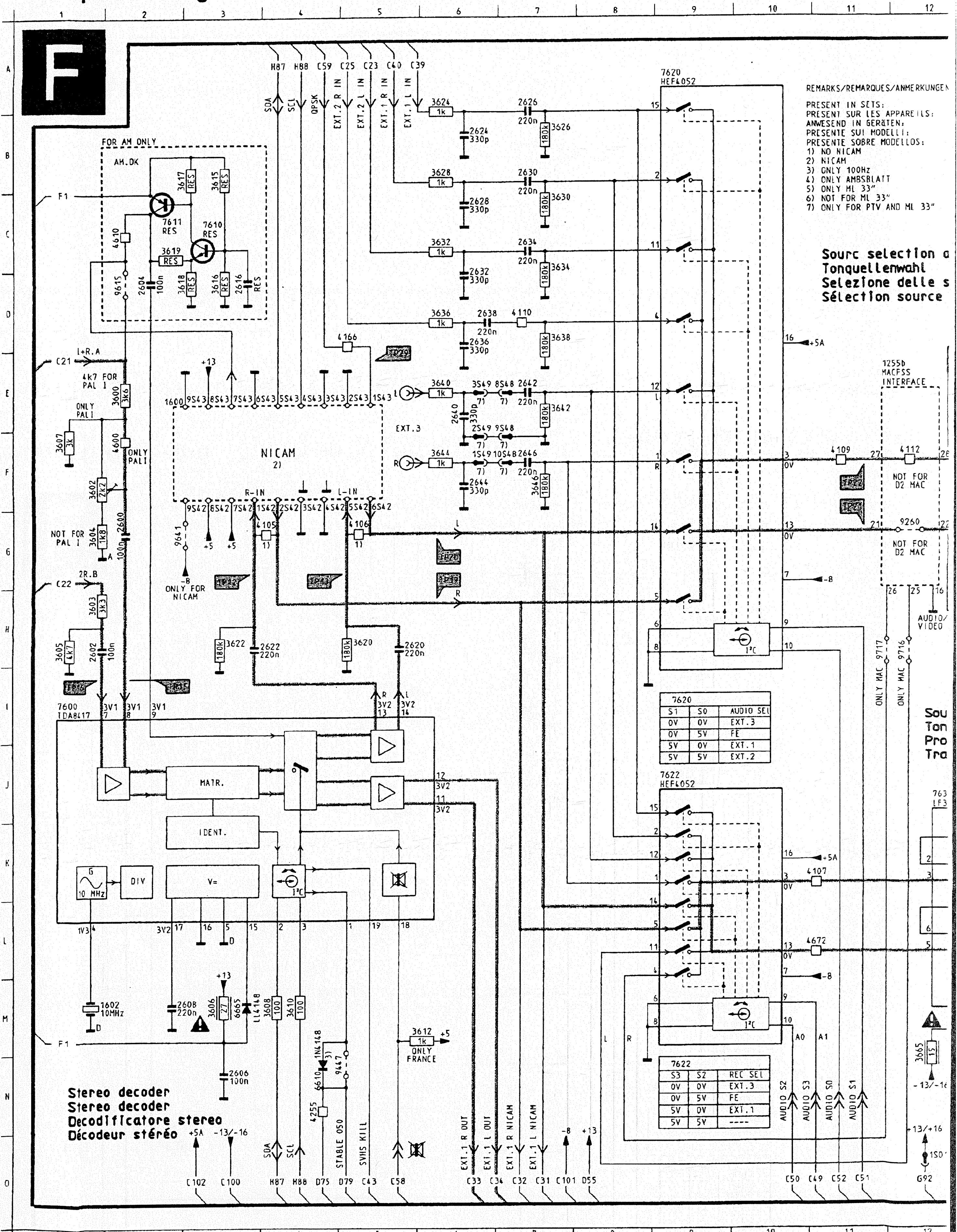
0014	A15
1001	A 2
1100	A 3
1107	C11
1115	N 9
2100	C 4
2105	F 7
2107	A11
2108	E 7
2109	E 6
2110	A 3
2111	I12
2114	D12
2115	D12
2116	D 9
2117	D10
2118	J12
2119	K12
2126	F12
2127	G12
2129	H12
2130	K 9
2131	L 1
2132	F 6
2137	D14
2138	D13
3100	A 6
3101	D 8
3102	D 5
3103	D 5
3104	E 5
3105	E 5
3106	G17
3107	A11
3108	B11
3109	B14
3110	B14
3111	B14
3115	J14
3116	J14
3117	L13
3118	I14
3119	M13
3120	M14
3121	K16
3122	D13
3123	D13
3124	F14
3125	E14
3126	F14
3127	G14
3128	K 1
3129	H14
3130	H14
3131	I14
3132	F 5
3134	G 5
3135	D15
3136	D16
3137	D14
3138	G 5
3139	G 5
3140	H 8
3141	H 8
3142	I 8
3143	I 8
3144	J 8
3145	J 8
3146	K 8
3148	F 4
3149	F 3
3150	F 2
3157	K 3
3158	K 3
3169	K 3
3195	J13
3198	K13
3199	K13
3202	F14
3345	L17
4116	B14
4117	B14
4126	D10
4127	D11
4129	K 1
4203	G 2
4321	L17
5100	B 4
5107	A10
5115	D13
6107	B15
6108	B16
6117	L14
6135	D15
6136	D16
7107	B11
7108	A13
7119	L16
7130	L 1
7137	D14
8911	M 2
9090	D17
9096	B10
9108	L12
9142	G15
9143	G16
9152	B10
9185	K14
9711	C17



19-IC7000 µPROC BOARD

PRS 06956
T-26/'13

Audio processing   Ton Verarbeitung


F
1 2 3 4 5 6 7 8 9 10 11 12
A B C D E F G H I J K L M N O
H87 H88 C59 C25 C23 C40 C39
SDA SCL QPSK EXT.2 R IN EXT.2 L IN EXT.1 R IN EXT.1 L IN
FOR AM ONLY
AM.DK
3617 RES 3615 RES
F1
7611 RES 7610 RES
4610 3619 RES
9615 2604 100n 3618 RES 3616 RES 2616 RES
3624 1k 2624 330p 2626 220n 3626 180k
3628 1k 2628 330p 2630 220n 3630 180k
3632 1k 2632 330p 2634 220n 3634 180k
3636 1k 2638 220n 4110 2636 330p 3638 180k
4166
1+R.A C21
4k7 FOR PAL I
3600 3k6
ONLY PAL I
3607 3k
4600 ONLY PAL I
3602 2k2
NOT FOR PAL I
3604 1k8 2600 100n
+13
1600 9S43 8S43 7S43 6S43 5S43 4S43 3S43 2S43 1S43
NICAM 2)
R-IN L-IN
9S42 8S42 7S42 1S42 2S42 3S42 4S42 5S42 6S42
4105 1) 4106 1)
9641 +5 +5
-B ONLY FOR NICAM
EXT.3
L 3640 1k 3S49 8S48 7) 2642 220n 2640 330p 3642 180k
2S49 9S48 7)
R 3644 1k 1S49 10S48 2646 7) 220n 2644 330p 3646 180k
L R
2R.B C22
3603 3k3
3605 4k7 2602 100n
3622 180k 2622 220n 3620 180k 2620 220n
R 3V2 13 L 3V2 14
7600 TDA8417
3V1 7 3V1 8 3V1 9
MATR.
IDENT.
12 3V2 11 3V2
6 10 MHz DIV V=
I²C
1V3 4 3V2 17 16 5 15 2 3 1 19 18
D
1602 10MHz
2608 220n
+13
3606 27 6665 1N4148
3608 100 3610 100
2606 100n
1N4148 6610 3) 9447
4255
3612 1k +5 ONLY FRANCE
F1
+5A -13/-16
SDA SCL STABLE OSO SVHS KILL
C102 C100 H87 H88 D75 D79 C43 C58
EXT.1 R OUT EXT.1 L OUT EXT.1 R NICAM EXT.1 L NICAM -8 +13
C33 C34 C32 C31 C101 D55
7620 HEF4052
15 2 11 4 12 L 1 R 14 5 6 8 16 +5A 3 0V 13 0V 7 -8 9 10
1255b MACFSS INTERFACE
4109 27 4112 28 NOT FOR D2 MAC
21 9260 22 NOT FOR D2 MAC
26 25 16 AUDIO/VIDEO
ONLY MAC 9717 ONLY MAC 9716
7622 HEF4052
15 2 12 1 14 5 11 4 6 8 16 +5A 3 0V 4107 13 0V 4672 7 -8 9 10
L R A0 A1
AUDIO S2 AUDIO S3 AUDIO S0 AUDIO S1
C50 C49 C52 C51
763 LF3
2 3 6 5
3665 15
-13/-16 +13/+16 1501 G92

REMARKS/REMARQUES/ANMERKUNGEN

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO NICAM
2) NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY ML 33"
6) NOT FOR ML 33"
7) ONLY FOR PTV AND ML 33"

Sourc selection a
Tonquellenwahl
Selezione delle s
Sélection source

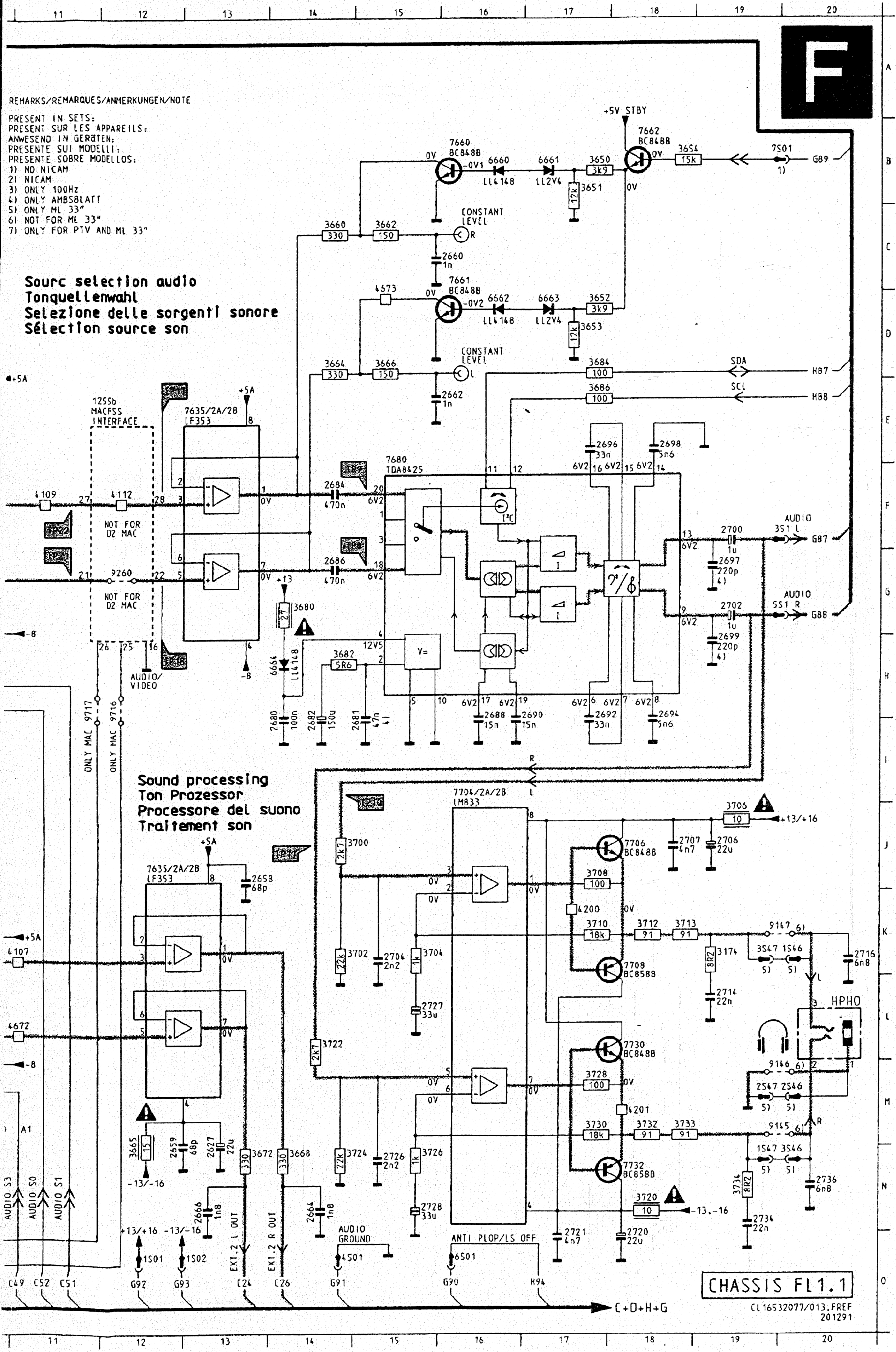
7620		
S1	S0	AUDIO SEL
0V	0V	EXT.3
0V	5V	FE
5V	0V	EXT.1
5V	5V	EXT.2

7622		
S3	S2	REC SEL
0V	0V	EXT.3
0V	5V	FE
5V	0V	EXT.1
5V	5V	----

Stereo decoder
Stereo decoder
Decodificatore stereo
Décodeur stéréo

Sou
Ton
Pro
Tra

Traitement audio


11
12
13
14
15
16
17
18
19
20
F
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
+5V STBY
7660
BC848B
0V
-0V1
6660
LL4148
6661
LL2V4
3650
3k9
3651
12k
7662
BC848B
0V
3654
15k
7S01
1)
G89
3660
330
3662
150
CONSTANT
LEVEL
R
2660
1n
4673
7661
BC848B
-0V2
6662
LL4148
6663
LL2V4
3652
3k9
3653
12k
3664
330
3666
150
CONSTANT
LEVEL
L
2662
1n
3684
100
SDA
H87
3686
100
SCL
H88
+5A
1255b
MACFSS
INTERFACE
7635/2A/2B
LF353
8
4109
27
4112
28
NOT FOR
D2 MAC
21
9260
22
NOT FOR
D2 MAC
26
25
16
AUDIO/
VIDEO
-8
ONLY MAC 9717
ONLY MAC 9716
2696
33n
2698
5n6
6V2
16
15
14
7680
TDA8425
11
12
2684
470n
20
6V2
1
3
2686
470n
18
0V
+13
3680
27
6664
LL4148
3682
5R6
4
12V5
2
V=
I²C
2680
100n
2682
150u
2681
47n
4)
5
10
17
19
2688
15n
2690
15n
6
7
2692
33n
2694
5n6
13
9
2700
1u
2697
220p
4)
2702
1u
2699
220p
4)
AUDIO
3S1 L
G87
AUDIO
5S1 R
G88
R
L
7704/2A/2B
LM833
3706
10
+13/+16
+5A
7635/2A/2B
LF353
2658
68p
3700
2k7
7706
BC848B
2707
4n7
2706
22u
3708
100
4200
0V
3710
18k
3712
91
3713
91
9147
6)
3S47
1S46
5)
3174
8R2
2716
6n8
4107
3702
22k
2704
2n2
3704
1k
7708
BC858B
2714
22n
HPHO
2727
33u
4672
3722
2k7
7730
BC848B
9146
2S47
2S46
3728
100
4201
A1
3665
15
2659
68p
2627
22u
3672
330
3668
330
3724
22k
2726
2n2
3726
1k
3730
18k
3732
91
3733
91
9145
1S47
3S46
7732
BC858B
2736
6n8
3734
8R2
2734
22n
3720
10
-13/-16
-13,-16
AUDIO S3
AUDIO S0
AUDIO S1
+13/+16
-13/-16
2666
1n8
EXT.2 L OUT
EXT.2 R OUT
2664
1n8
2728
33u
AUDIO
GROUND
4S01
ANTI PLOP/LS OFF
6S01
2721
4n7
2720
22u
1S01
1S02
C49
C52
C51
G92
G93
C24
C26
G91
G90
H94
C+D+H+G

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO NICAM
2) NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY ML 33"
6) NOT FOR ML 33"
7) ONLY FOR PTV AND ML 33"

Sourc selection audio
Tonquellenwahl
Selezione delle sorgenti sonore
Sélection source son

Sound processing
Ton Prozessor
Processore del suono
Traitement son

CHASSIS FL1.1

CL 16532077/013.FREF
201291

1255	E11	3730	M17
1600	E 2	3732	M18
1602	M 1	3733	M18
2600	G 2	3734	N19
2602	H 1	4105	G 4
2604	D 2	4106	G 5
2606	N 3	4107	K11
2608	M 2	4109	F11
2616	D 3	4110	D 7
2620	H 5	4112	F12
2622	H 3	4166	D 5
2624	B 6	4200	K17
2626	A 7	4201	M18
2627	M13	4255	N 4
2628	C 6	4600	F 2
2630	B 7	4610	C 2
2632	D 6	4672	L11
2634	C 7	4673	C15
2636	D 6	6610	N 4
2638	D 6	6660	B16
2640	E 6	6661	B17
2642	E 7	6662	D16
2644	F 6	6663	D17
2646	F 7	6664	H14
2658	J13	6665	M 3
2659	M12	7600	I 1
2660	C16	7610	C 3
2662	E16	7611	C 2
2664	N14	7620	A 9
2666	N13	7622	J 9
2680	H14	7635	E12
2681	H15	7635	J12
2682	H14	7660	B16
2684	F14	7661	C16
2686	G14	7662	B18
2688	H16	7680	E15
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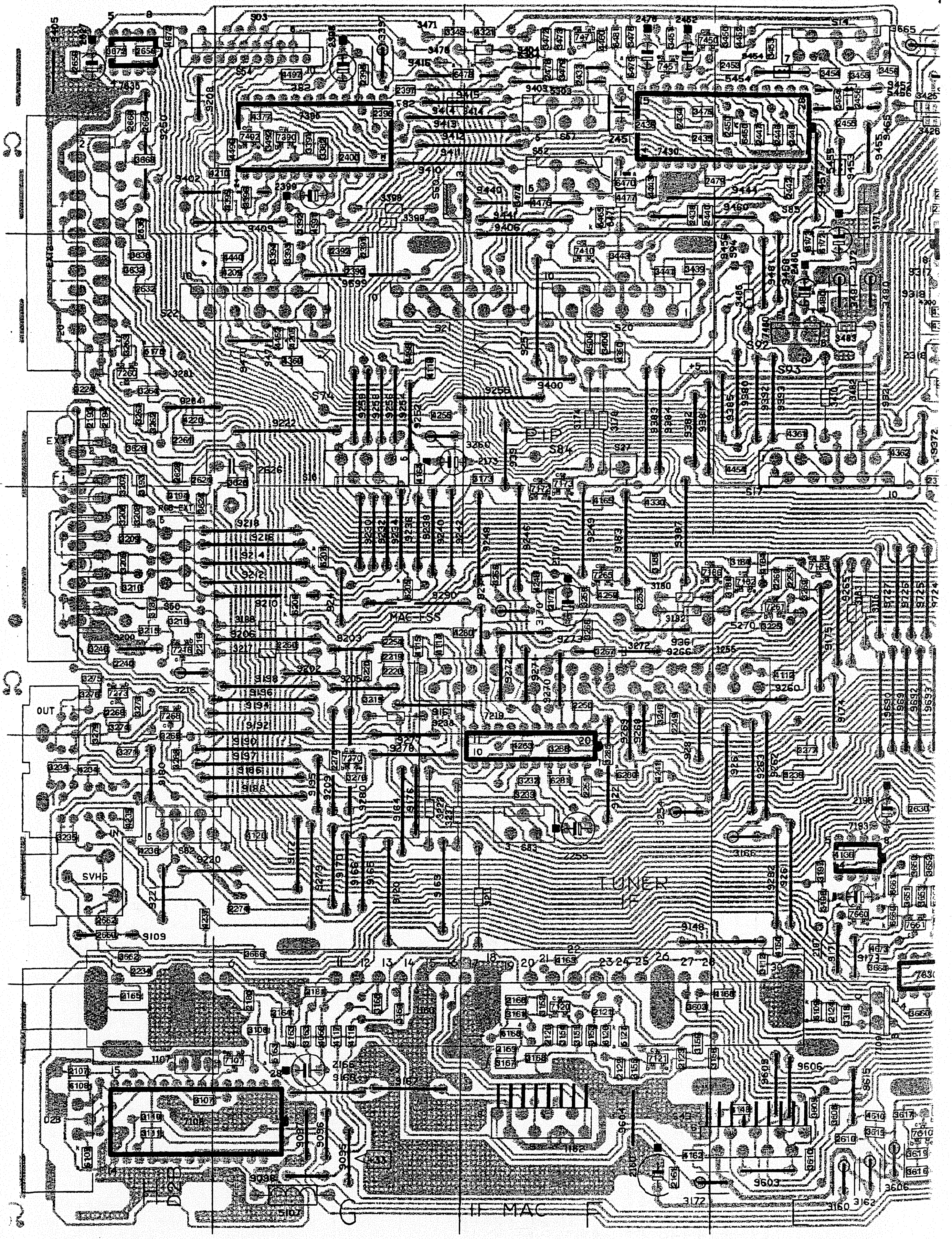
Small signal panel Klein-signal Platte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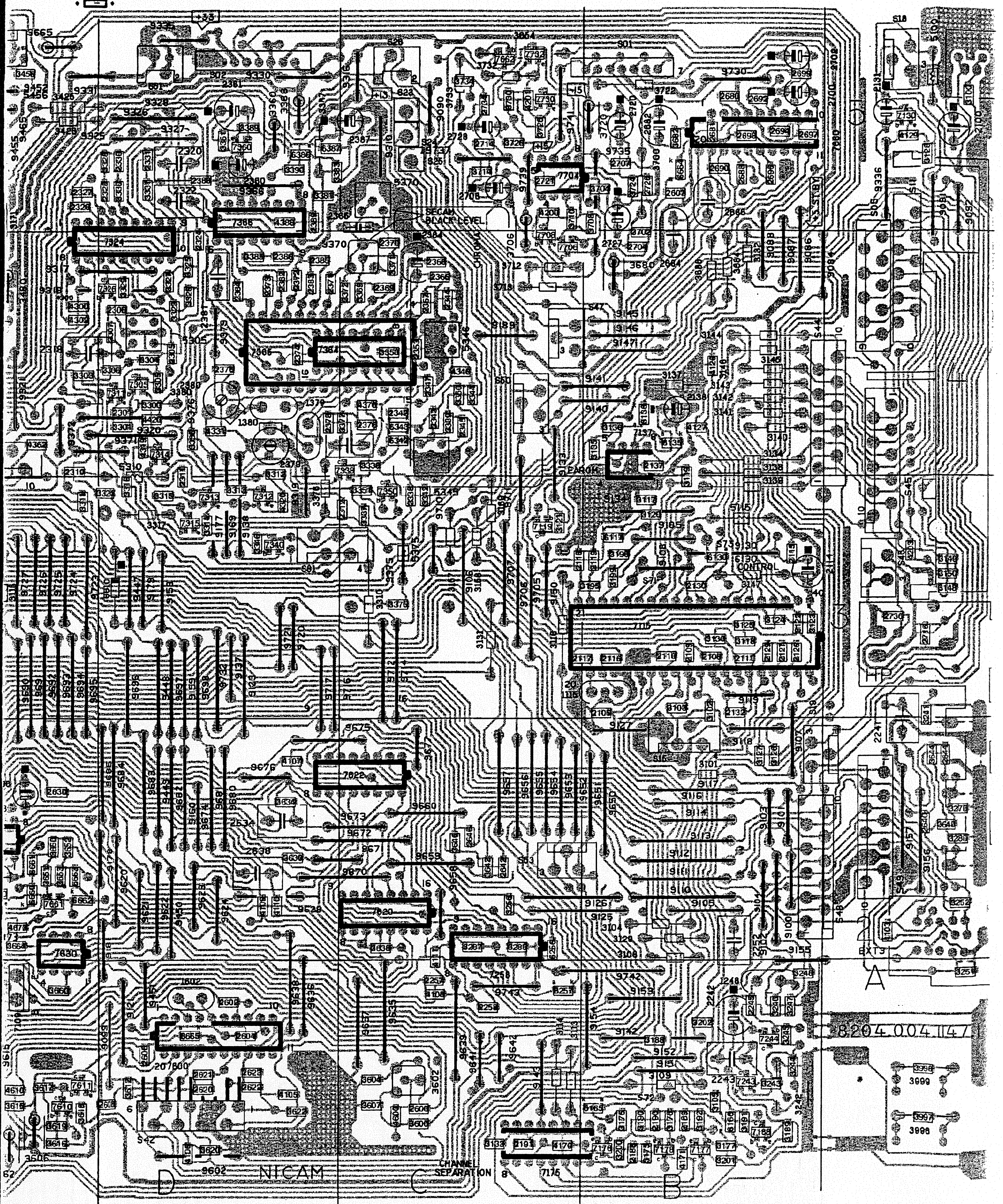
EXT
RGB-EXT
OUT
IN
SVHS
PIP
+5
MAC-ESS
TUNER
IF
IF MAC
7430
7390
7100

Platine à petite signaux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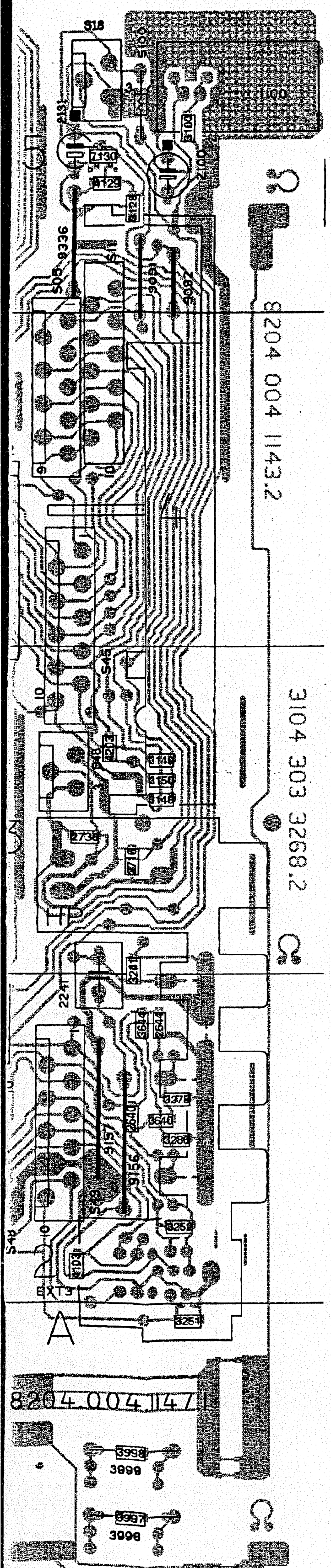
BLACK LEVEL
CHROMA
PAROM
CONTROL
CHANNEL
SEPARATION
NICAM
S.STBY
A
B
C
D
8204 004 147



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EXT2	H4
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S02	D5
S03	H5
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S11	A5
S14	E5
S15	B2
S16	G4
S17	E4
S18	A5
S19	B2
S20	F4
S21	F4
S22	G4
S23	C5
S24	C5
S25	C5
S26	C5
S27	F4
S42	D1
S43	F1
S44	B4
S45	A4
S46	A3
S47	C4
S48	B2
S49	A2
S50	C4
S51	D5
S52	F5
S53	C2
S54	H5
S56	H3
S57	F5
S60	G5
S81	D3
S82	G2
S83	F2
SVHS	H2
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1107	H1
1115	B3
1160	E2
1162	F1
1248	B1
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1380	D4
1602	D1
2100	A5
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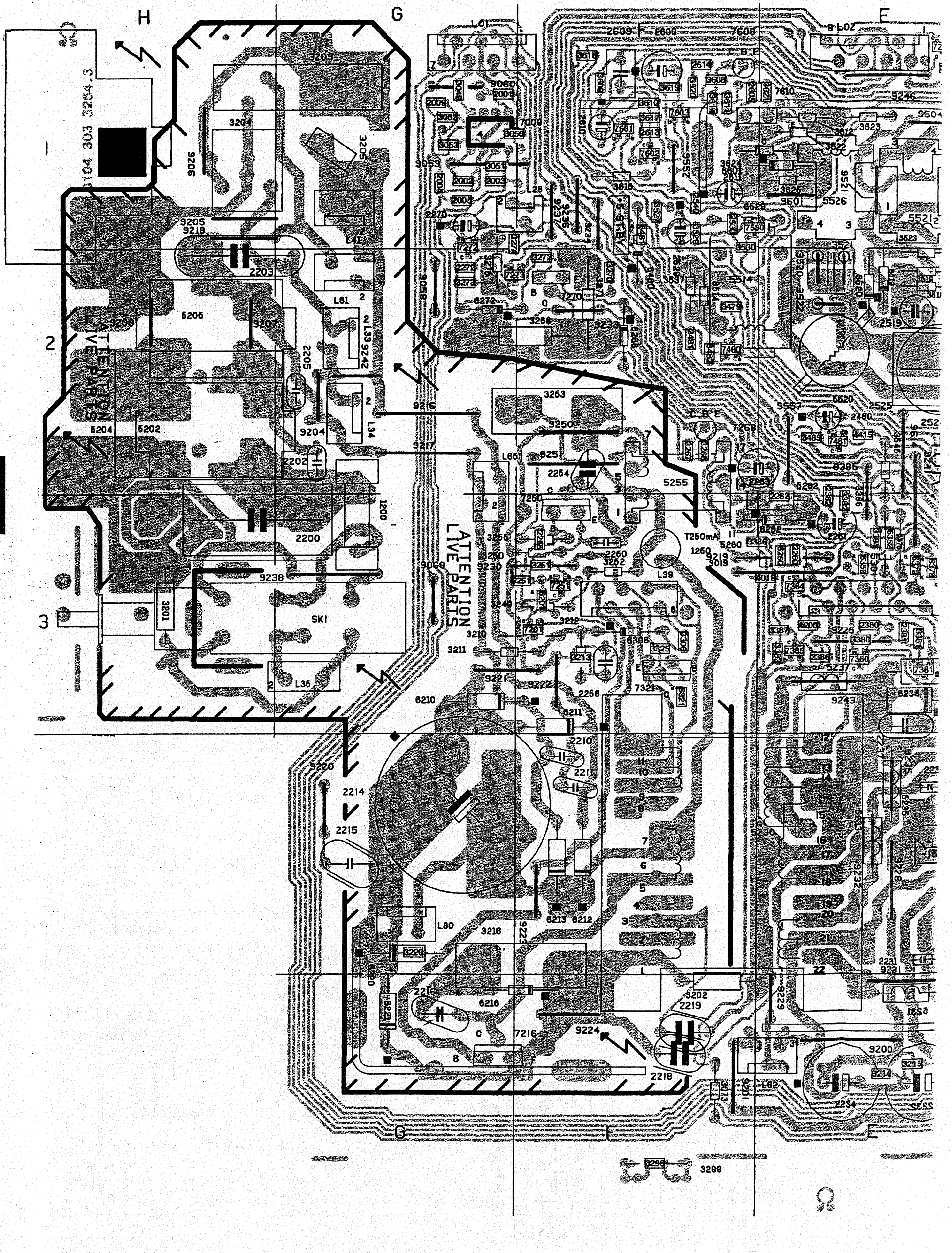
Large signal panel Großsig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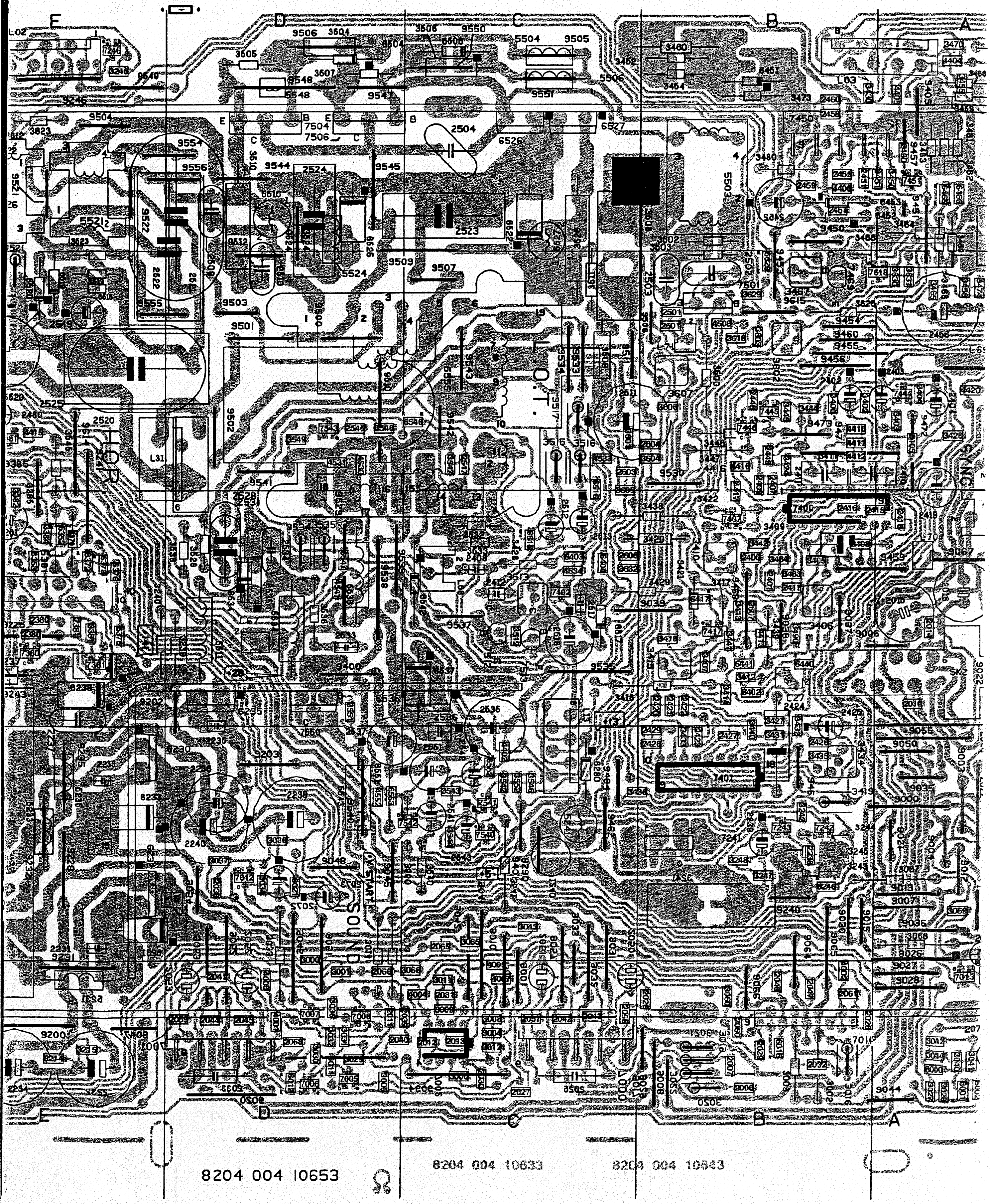
Großsignal Platine

Platine à grande signaux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V-START
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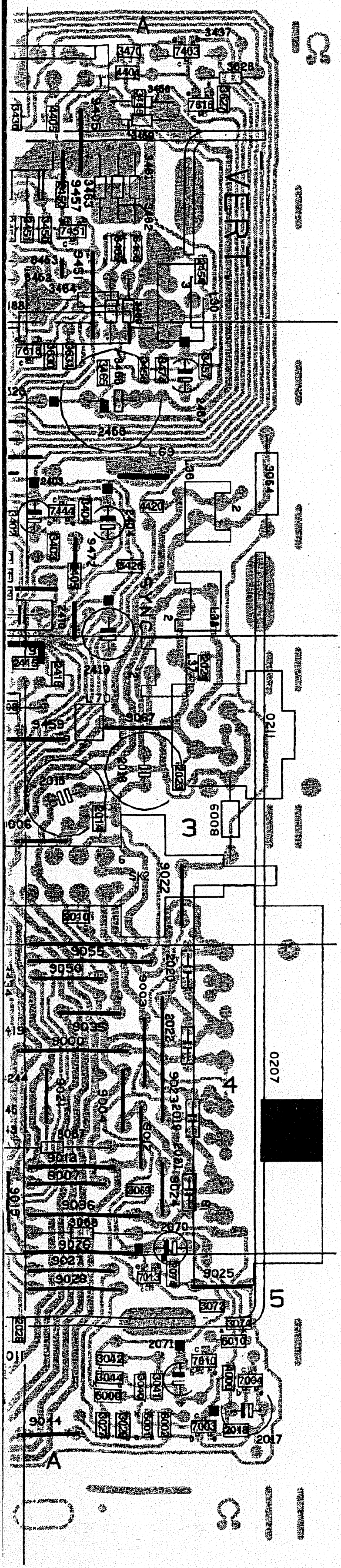

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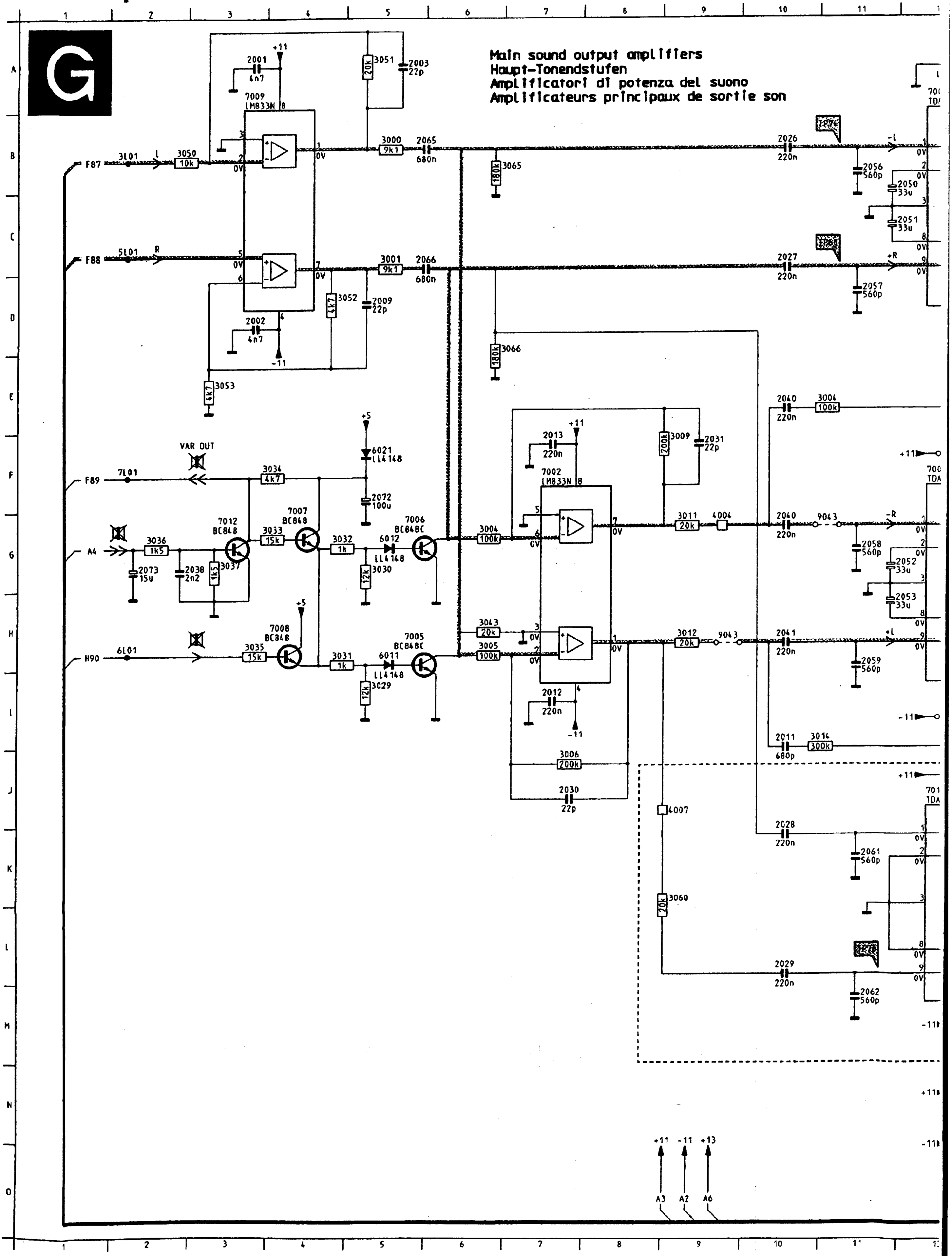
9537	C3
9538	D3
9539	D3
9540	D4
9541	D2
9542	C2
9543	C2
9544	D1
9545	D1
9547	D1
9548	D1
9549	E1
9550	C1
9551	C1
9552	F1
9554	D1
9555	E2
9556	D1
9557	E2
9601	E1
9614	E2
9615	B2

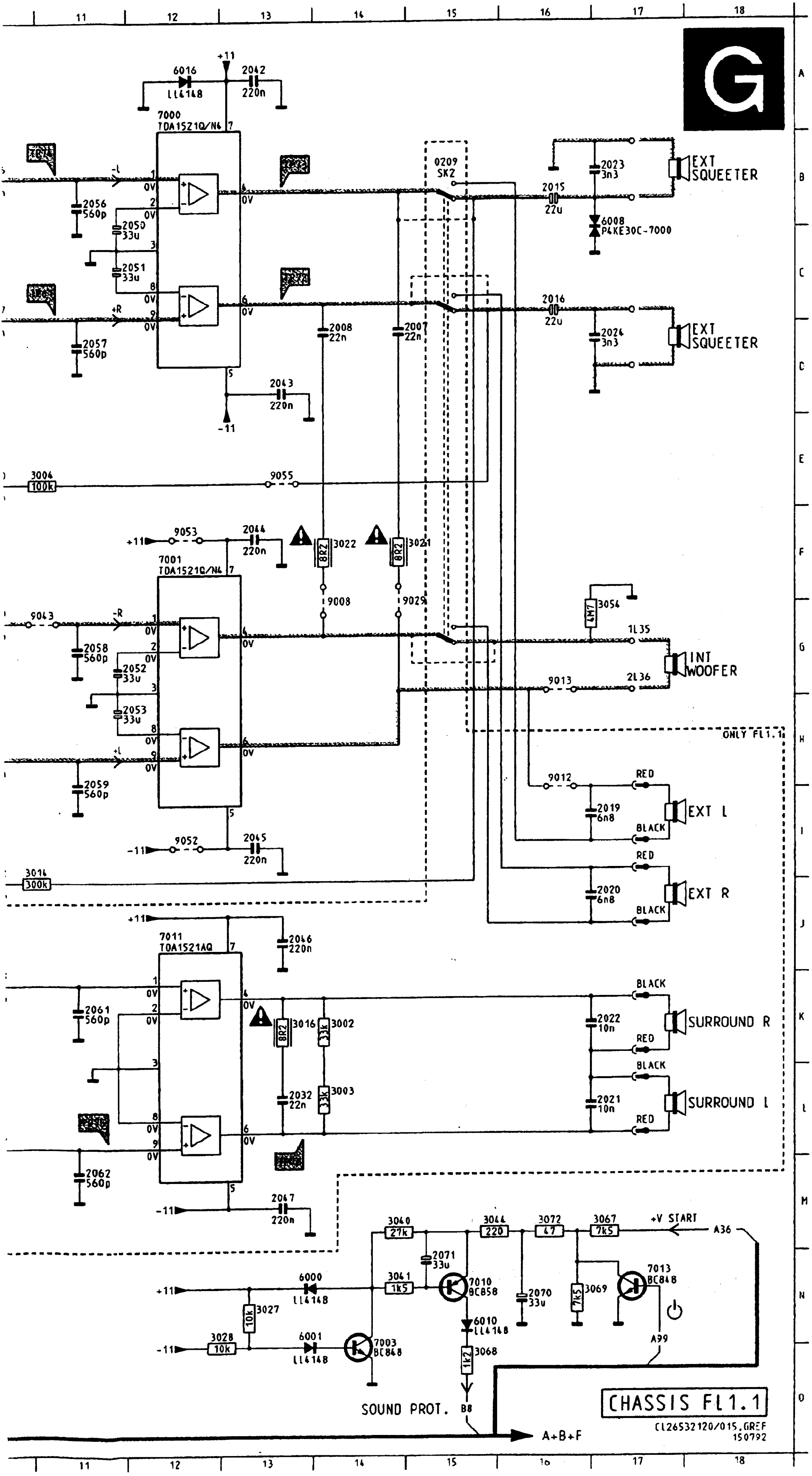
Audio amplification / Tonsignal Verstärker /



Main sound output amplifiers
Haupt-Tonendstufen
Amplificatori di potenza del suono
Amplificateurs principaux de sortie son

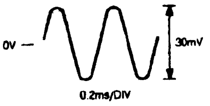
G
1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
F87
3L01
L
3050
10k
F88
5L01
R
F89
7L01
VAR OUT
3034
4k7
A4
3036
1k5
2073
15u
2038
2n2
3037
1k5
7012
BC848
3033
15k
7007
BC848
3032
1k
6012
LL4148
3030
12k
7006
BC848C
H90
6L01
3035
15k
7008
BC848
+5
3031
1k
6011
LL4148
3029
12k
7005
BC848C
6021
LL4148
2072
100u
2001
4n7
+11
7009
LM833N
3051
20k
2003
22p
3000
9k1
2065
680n
3001
9k1
2066
680n
3052
4k7
2009
22p
2002
4n7
-11
3053
4k7
3065
180k
3066
180k
2026
220n
2027
220n
2056
560p
2050
33u
2051
33u
2057
560p
-L
+R
OV
7002
LM833N
2013
220n
3009
200k
2031
22p
3004
100k
3011
20k
4004
3043
20k
3005
100k
3012
20k
9043
2012
220n
3006
200k
2030
22p
2040
220n
3004
100k
2058
560p
2052
33u
2053
33u
2041
220n
2059
560p
2011
680p
3014
300k
4007
3060
20k
2028
220n
2061
560p
2029
220n
2062
560p
+11
-11
+13
A3
A2
A6
TDA

Amplificateur audio

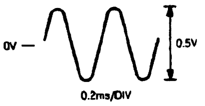

11
12
13
14
15
16
17
18
G
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
+11
6016
LL4148
2042
220n
7000
TDA1521Q/N4
7
-L
1
0V
2
0V
3
8
0V
+R
9
0V
4
0V
6
0V
5
2056
560p
2050
33u
2051
33u
2057
560p
2043
220n
-11
0209
SK2
2015
22u
2023
3n3
6008
P4KE30C-7000
EXT
SQUEETER
2016
22u
2024
3n3
EXT
SQUEETER
2008
22n
2007
22n
3004
100k
9055
+11
9053
2044
220n
7001
TDA1521Q/N4
3022
8R2
3021
8R2
9008
9029
9043
-R
2058
560p
2052
33u
2053
33u
+L
2059
560p
3054
4M7
1L35
2L36
INT
WOOFER
9013
ONLY FL1.1
9012
RED
2019
6n8
BLACK
EXT L
RED
2020
6n8
BLACK
EXT R
-11
9052
2045
220n
3014
300k
+11
7011
TDA1521AQ
2046
220n
2061
560p
3016
8R2
3002
33k
3003
33k
2032
22n
2022
10n
2021
10n
BLACK
RED
SURROUND R
BLACK
RED
SURROUND L
2062
560p
2047
220n
3040
27k
3044
220
3072
47
3067
7k5
+V START
A36
2071
33u
3041
1k5
7010
BC858
2070
33u
3069
7k5
7013
BC848
A99
6000
LL4148
3027
10k
3028
10k
6001
LL4148
7003
BC848
6010
LL4148
3068
1k2
SOUND PROT.
B8
A+B+F
CHASSIS FL1.1
CL26532120/015.GREF
150792

0209	B15	9008	F14
2001	A 3	9012	H16
2002	D 3	9013	G16
2003	A 5	9029	F14
2007	D14	9043	G11
2008	D14	9043	H 9
2009	D 5	9052	I12
2011	I10	9053	F12
2012	I 7	9055	E13
2013	F 7		
2015	B16		
2016	C16		
2019	I17		
2020	J17		
2021	L17		
2022	K17		
2023	B17		
2024	D17		
2026	B10		
2027	C10		
2028	K10		
2029	L10		
2030	J 7		
2031	F 9		
2032	L13		
2038	G 2		
2040	E10		
2040	G10		
2041	H10		
2042	A13		
2043	D13		
2044	F13		
2045	I13		
2046	J13		
2047	M13		
2050	B11		
2051	C11		
2052	G11		
2053	H11		
2056	B11		
2057	D11		
2058	G11		
2059	H11		
2061	K11		
2062	M11		
2065	B 5		
2066	C 5		
2070	N16		
2071	N15		
2072	F 5		
2073	G 2		
3000	B 5		
3001	C 5		
3002	K14		
3003	L14		
3004	G 6		
3004	E11		
3005	H 6		
3006	J 7		
3009	F 9		
3011	G 9		
3012	H 9		
3014	I11		
3016	K13		
3021	F15		
3022	F14		
3027	N13		
3028	N13		
3029	I 5		
3030	G 5		
3031	H 4		
3032	G 4		
3033	G 4		
3034	F 4		
3035	H 3		
3036	G 2		
3037	G 3		
3040	M14		
3041	N14		
3043	H 6		
3044	M15		
3050	B 2		
3051	A 5		
3052	D 4		
3053	E 3		
3054	F17		
3060	K 9		
3065	B 6		
3066	D 6		
3067	M17		
3068	O15		
3069	N16		
3072	M16		
4004	G 9		
4007	J 9		
6000	N13		
6001	N13		
6008	B17		
6010	N15		
6011	H 5		
6012	G 5		
6016	A12		
6021	F 5		
7000	A12		
7001	F12		
7002	F 7		
7003	O14		
7005	H 5		
7006	G 5		
7007	G 4		
7008	H 4		
7009	A 3		
7010	N15		
7011	J12		
7012	G 3		
7013	N17		

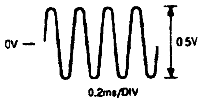
TP61



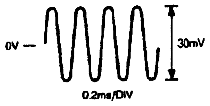
TP72



TP73



TP74



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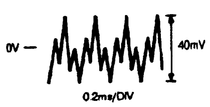
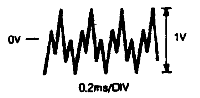
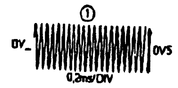
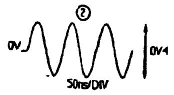


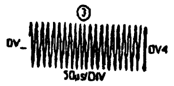
TP76

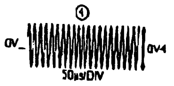


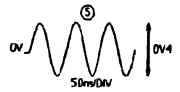
PRS.06962
T-26/113

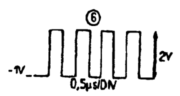


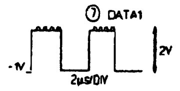


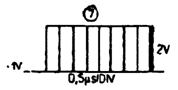


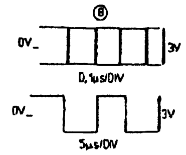


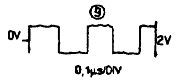


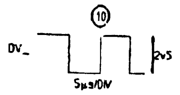


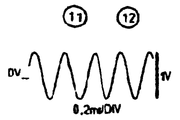


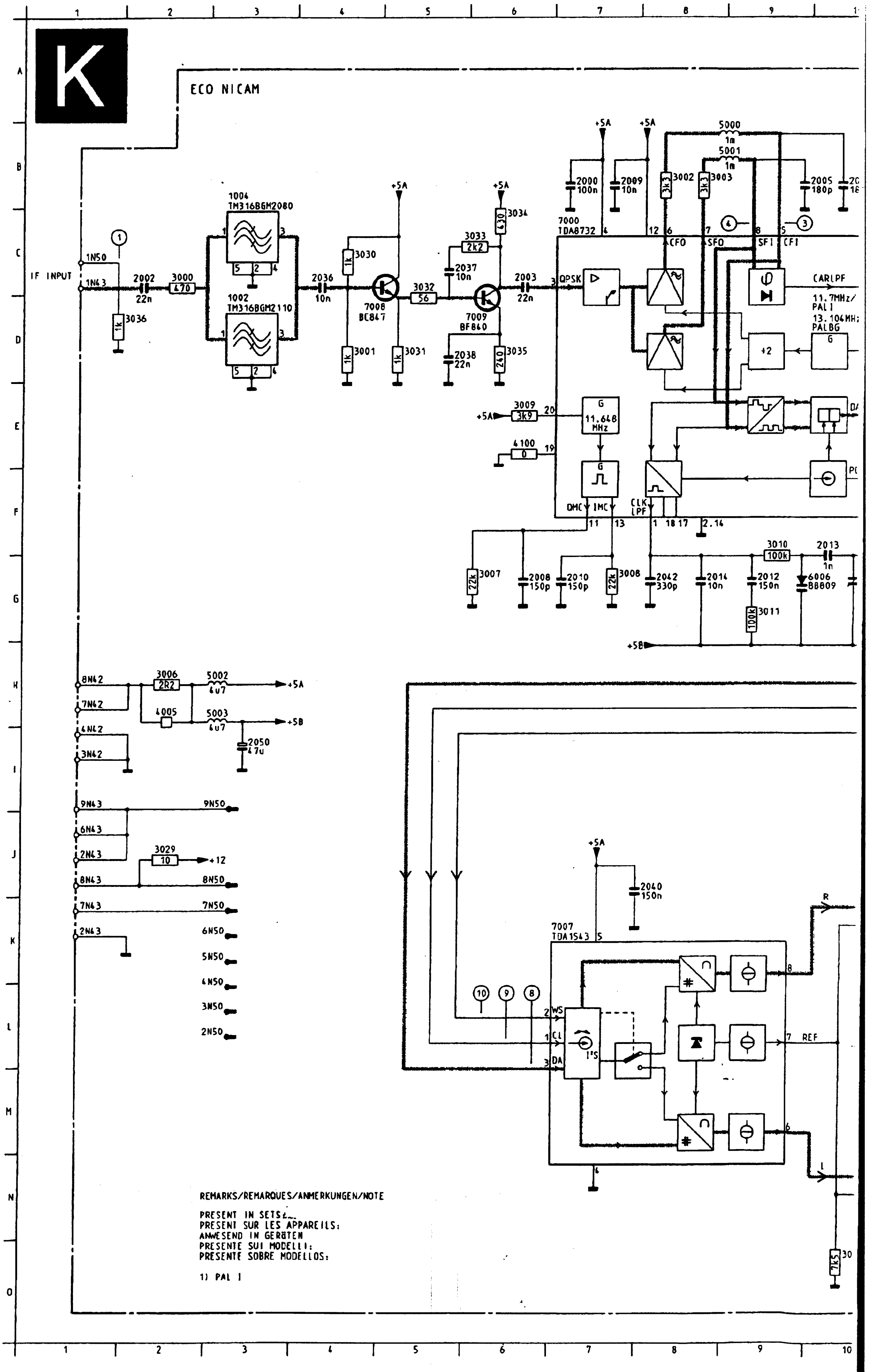








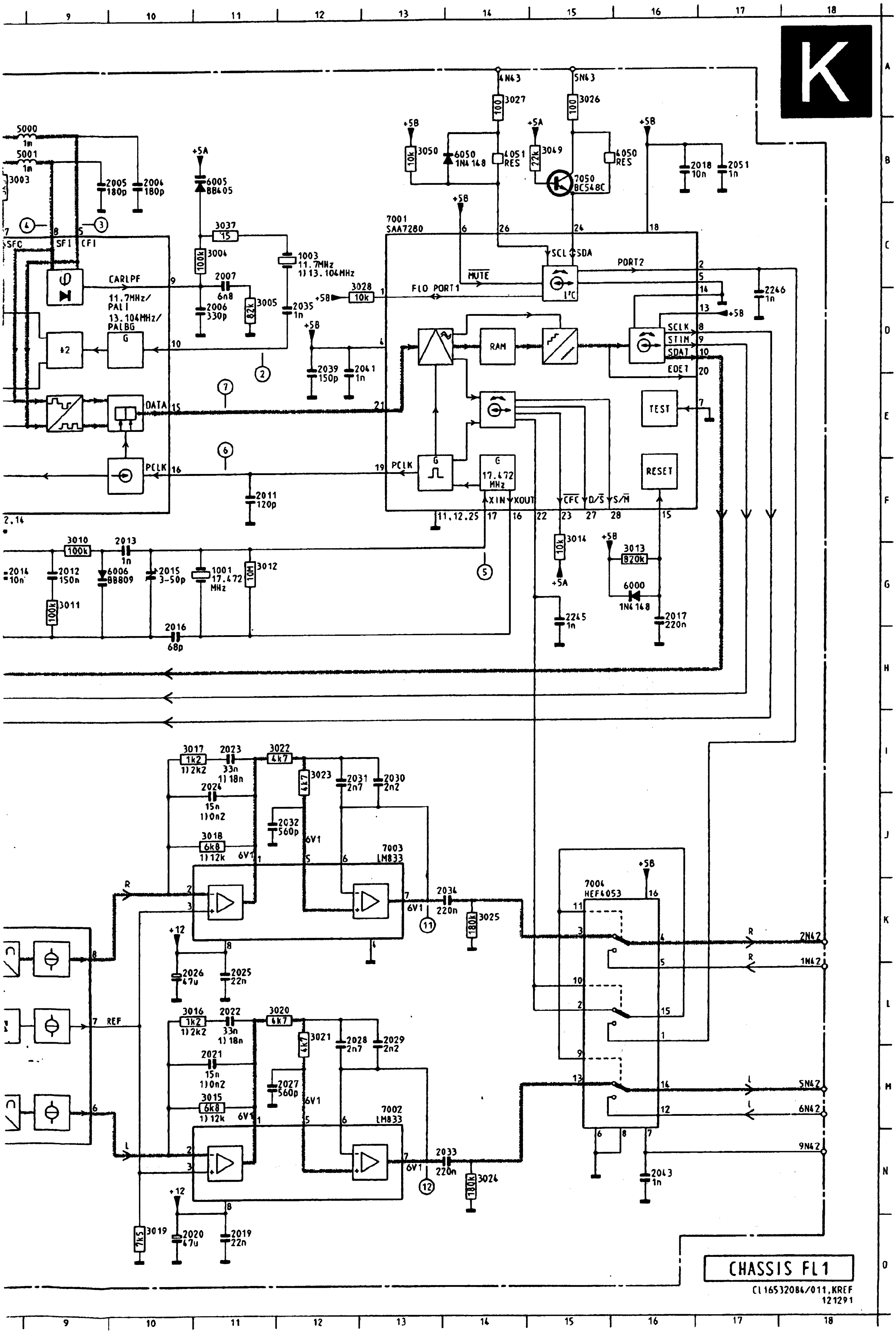



K
ECO NICAM
IF INPUT
1N50
1N43
2002 22n
3000 470
3036 1k
1004 TM316BGM2080
1002 TM316BGM2110
2036 10n
+5A
3030 1k
3001 1k
7008 BC847
3031 1k
3032 56
3033 2k2
2037 10n
2038 22n
3034 430
7009 BF840
3035 240
2003 22n
7000 TDA8732
QPSK
CFO
SFO
SFI
CFI
CARLPF
11.7MHz/ PAL I
13.104MHz; PALBG
+2
G
2000 100n
2009 10n
3002 3k3
3003 3k3
5000 1n
5001 1n
2005 180p
3009 3k9
11.648 MHz
4100 0
DMC
IMC
CLK LPF
3007 22k
2008 150p
2010 150p
3008 22k
2042 330p
2014 10n
3010 100k
2012 150n
3011 100k
2013 1n
6006 BB809
+5B
8N42
7N42
4N42
3N42
3006 2R2
5002 4u7
4005
5003 4u7
2050 47u
+5A
+5B
9N43
6N43
2N43
8N43
7N43
2N43
9N50
3029 10
+12
8N50
7N50
6N50
5N50
4N50
3N50
2N50
2040 150n
7007 TDA1543
WS
CL
DA
I²S
R
REF
L
7k5
A B C D E F G H I J K L M N O
1 2 3 4 5 6 7 8 9 10

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

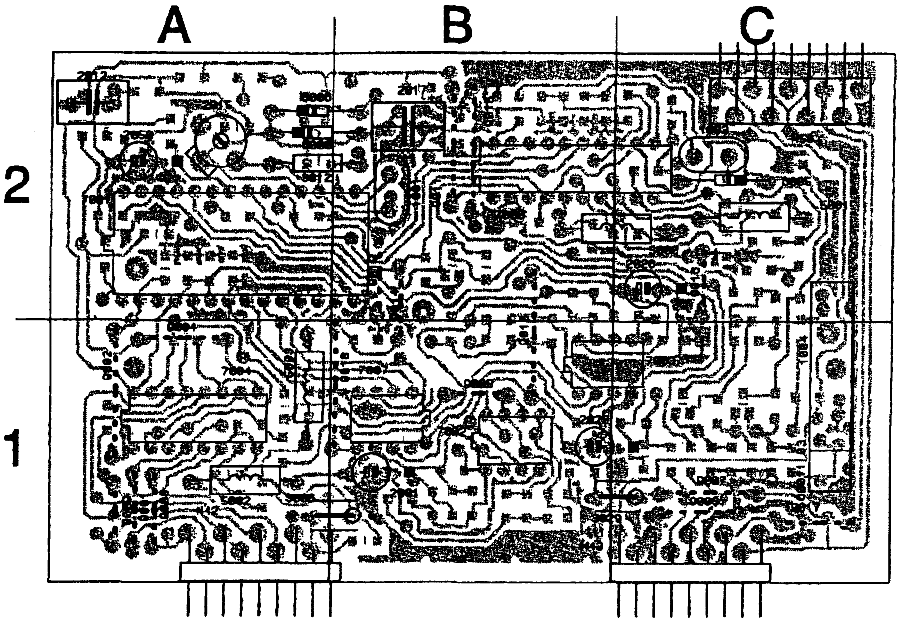
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) PAL I


K
9
10
11
12
13
14
15
16
17
18
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
5000
5001
3003
2005 180p
2004 180p
SFC
SF1
CF1
CARLPF
11.7MHz/ PAL I
13.104MHz/ PALBG
÷2
G
DATA
PCLK
+5A
6005 BB405
3037 15
3004 100k
2007 6n8
2006 330p
3005 82k
1003 11.7MHz 1) 13.104MHz
2035 1n
+5B
3028 10k
2039 150p
2041 1n
2011 120p
7001 SAA7280
MUTE
FLO PORT1
SCL
SDA
PORT2
I²C
RAM
SCLK
STIN
SDAT
EDET
TEST
RESET
PCLK
17.472 MHz
XIN
XOUT
CFC
D/S
S/M
11,12,25
4N43
3027 100
5N43
3026 100
3050 10k
6050 1N4148
4051 RES
+5A
3049 22k
7050 BC548C
4050 RES
2018 10n
2051 1n
2246 1n
3014 10k
3013 820k
6000 1N4148
2017 220n
2245 1n
3010 100k
2013 1n
2014 10n
2012 150n
6006 BB809
2015 3-50p
1001 17.472 MHz
3012 10M
3011 100k
2016 68p
3017 1k2 1) 2k2
2023 33n 1) 18n
3022 4k7
3023 4k7
2031 2n7
2030 2n2
2024 15n 1) 0n2
2032 560p
3018 6k8 1) 12k
6V1
7003 LM833
2034 220n
3025 180k
R
REF
L
+12
2026 47u
2025 22n
3016 1k2 1) 2k2
2022 33n 1) 18n
3020 4k7
3021 4k7
2028 2n7
2029 2n2
2021 15n 1) 0n2
2027 560p
3015 6k8 1) 12k
7002 LM833
2033 220n
3024 180k
3019 7k5
2020 47u
2019 22n
7004 HEF4053
2043 1n
2N42
1N42
5N42
6N42
9N42
CHASSIS FL1
CL16532084/011.KREF 121291

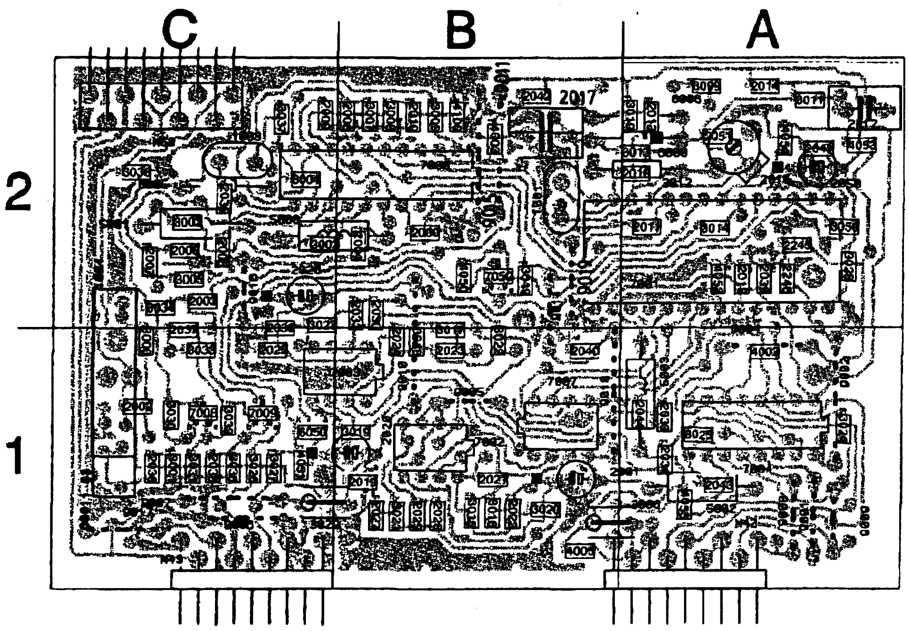
1001	G11
1002	D 3
1003	C12
1004	B 3
2000	B 7
2002	C 2
2003	C 6
2004	B10
2005	B 9
2006	D11
2007	C11
2008	G 6
2009	B 7
2010	G 7
2011	F11
2012	G 9
2013	F10
2014	G 8
2015	G10
2016	G10
2017	G16
2018	B16
2019	O11
2020	O10
2021	M11
2022	L11
2023	I11
2024	I11
2025	L11
2026	L10
2027	M12
2028	L12
2029	L13
2030	I13
2031	I12
2032	J12
2033	N14
2034	K14
2035	D12
2036	C 4
2037	C 5
2038	D 5
2039	D12
2040	J 8
2041	D12
2042	G 8
2043	N16
2050	I 3
2051	B17
2245	G15
2246	D17
3000	C 2
3001	D 4
3002	B 8
3003	B 8
3004	C11
3005	D11
3006	H 2
3007	G 6
3008	G 7
3009	E 6
3010	F 9
3011	G 9
3012	G11
3013	G16
3014	F15
3015	M11
3016	L10
3017	I10
3018	J11
3019	O10
3020	L12
3021	L12
3022	I12
3023	I12
3024	N14
3025	K14
3026	A15
3027	A14
3028	C13
3029	J 2
3030	C 4
3031	D 5
3032	C 5
3033	C 6
3034	C 6
3035	D 6
3036	D 1
3037	C11
3049	B15
3050	B13
4005	H 2
4050	B16
4051	B14
4100	E 6
5000	B 9
5001	B 9
5002	H 3
5003	H 3
6000	G16
6005	B11
6006	G 9
6050	B14
7000	C 7
7001	C13
7002	M13
7003	J13
7004	K15
7007	K 7
7008	D 5
7009	D 6
7050	B15

NICAM



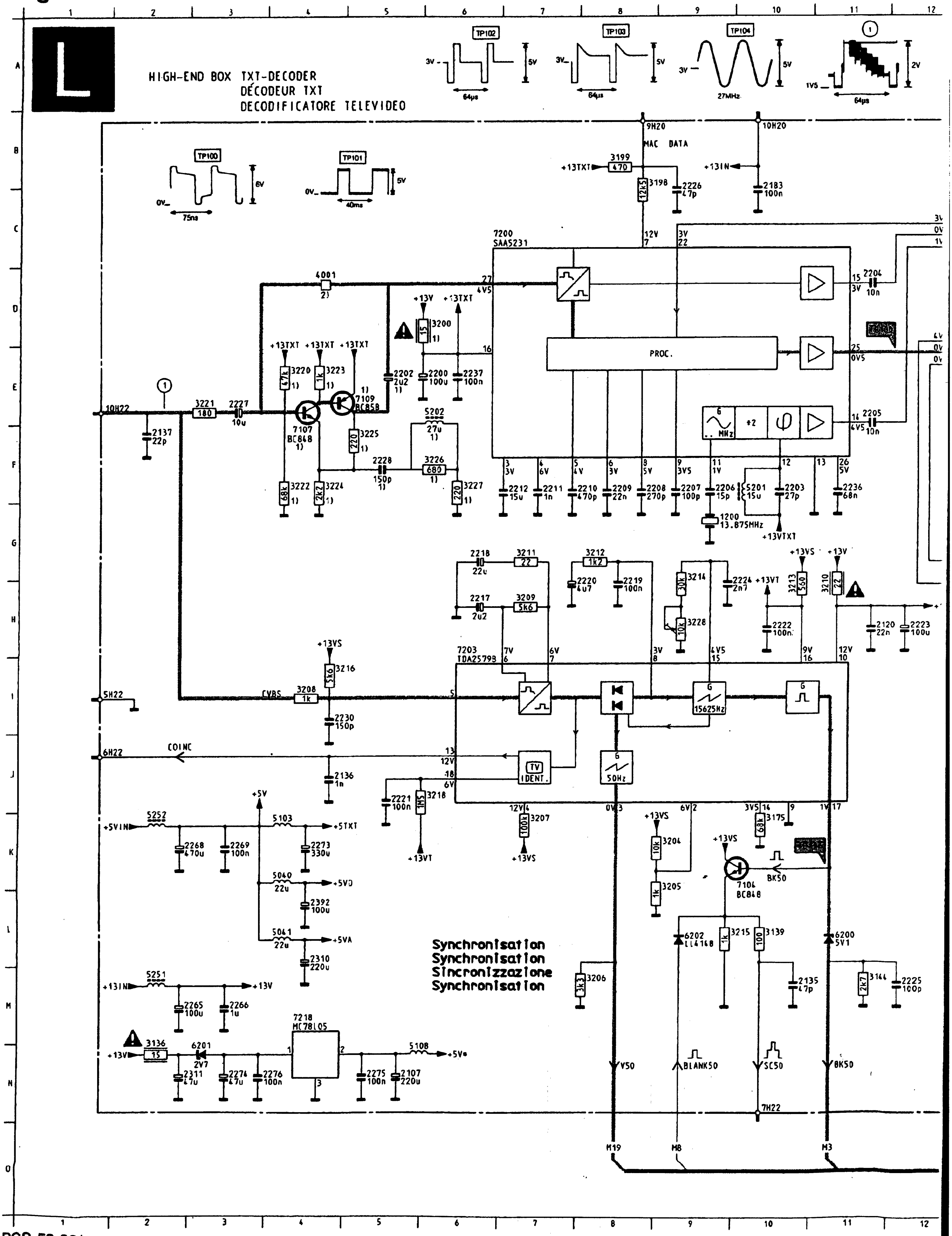
N42	A1	2010	B2	2026	C2	2042	B2	3009	B2	3024	A1	3099	A2	6000	A2	9004	A1
N43	C1	2011	A2	2027	B1	2043	A1	3009	B2	3025	A1	4002	A1	6001	C1	9005	B1
N50	C2	2012	A2	2028	B1	2044	A1	3010	A2	3026	C1	4003	B2	6005	C2	9006	C1
1001	B2	2013	A2	2029	B1	2050	A2	3011	A2	3027	C1	4005	B1	6006	A2	9007	C1
1003	C2	2014	A2	2030	B2	2051	A2	3012	A2	3028	A2	4050	B2	6050	C1	9008	A1
1004	C1	2015	A2	2031	B2	2245	A2	3013	A2	3029	C1	4051	C1	7000	B2	9009	A1
2000	B2	2016	A2	2032	C2	2248	A2	3014	A2	3030	C1	4052	A2	7001	A2	9010	B1
2001	B1	2017	B2	2033	A1	3000	C1	3015	B1	3031	C1	4053	A2	7002	B1	9011	B2
2002	C1	2018	A2	2034	A1	3001	C1	3016	B1	3032	C1	4054	A2	7003	B1	9014	B2
2003	C2	2019	B1	2035	C2	3002	C2	3017	B1	3033	C1	4055	A1	7004	A1	9015	B2
2004	B2	2020	B1	2036	C1	3003	C2	3018	B1	3034	C2	4100	B2	7007	B1	9016	C2
2005	C2	2021	B1	2037	C1	3004	C2	3019	B1	3035	C1	4100	B2	7008	C1	9017	C1
2006	C2	2022	B1	2038	C1	3005	C2	3020	B1	3036	C2	5000	C2	7009	C1	9018	B1
2007	C2	2023	B1	2039	A2	3006	B1	3021	B1	3037	C2	5001	C2	7050	B2	9019	B2
2008	B2	2024	B1	2040	B1	3007	B2	3022	B1	3049	B2	5002	A1	9001	A1		
2009	C2	2025	C1	2041	A2	3008	B2	3023	C2	3050	A2	5003	A1	9002	A1		

NICAM



N42 A1	2010 B2	2026 C2	2042 B2	3009 B2	3024 A1	3099 A2	6000 A2	9004 A1
N43 C1	2011 A2	2027 B1	2043 A1	3009 B2	3025 A1	4002 A1	6001 C1	9005 B1
N50 C2	2012 A2	2028 B1	2044 A1	3010 A2	3026 C1	4003 B2	6005 C2	9006 C1
1001 B2	2013 A2	2029 B1	2050 A2	3011 A2	3027 C1	4005 B1	6006 A2	9007 C1
1003 C2	2014 A2	2030 B2	2051 A2	3012 A2	3028 A2	4050 B2	6050 C1	9008 A1
1004 C1	2015 A2	2031 B2	2245 A2	3013 A2	3029 C1	4051 C1	7000 B2	9009 A1
2000 B2	2016 A2	2032 C2	2246 A2	3014 A2	3030 C1	4052 A2	7001 A2	9010 B1
2001 B1	2017 B2	2033 A1	3000 C1	3015 B1	3031 C1	4053 A2	7002 B1	9011 B2
2002 C1	*2018 A2*	*2034 A1*	*3001 C1*	*3016 B1*	*3032 C1*	4054 A2	7003 B1	9014 B2
2003 C2	2019 B1	2035 C2	3002 C2	3017 B1	3033 C1	4055 A1	7004 A1	9015 B2
2004 B2	2020 B1	2036 C1	3003 C2	3018 B1	3034 C2	4100 B2	7007 B1	9016 C2
2005 C2	2021 B1	2037 C1	3004 C2	3019 B1	3035 C1	4100 B2	7008 C1	9017 C1
2006 C2	2022 B1	2038 C1	3005 C2	3020 B1	3036 C2	5000 C2	7009 C1	9018 B1
2007 C2	2023 B1	2039 A2	3006 B1	3021 B1	3037 C2	5001 C2	7050 B2	9019 B2
2008 B2	2024 B1	2040 B1	3007 B2	3022 B1	3049 B2	5002 A1	9001 A1	
2009 C2	2025 C1	2041 A2	3008 B2	3023 C2	3050 A2	5003 A1	9002 A1	

High-end box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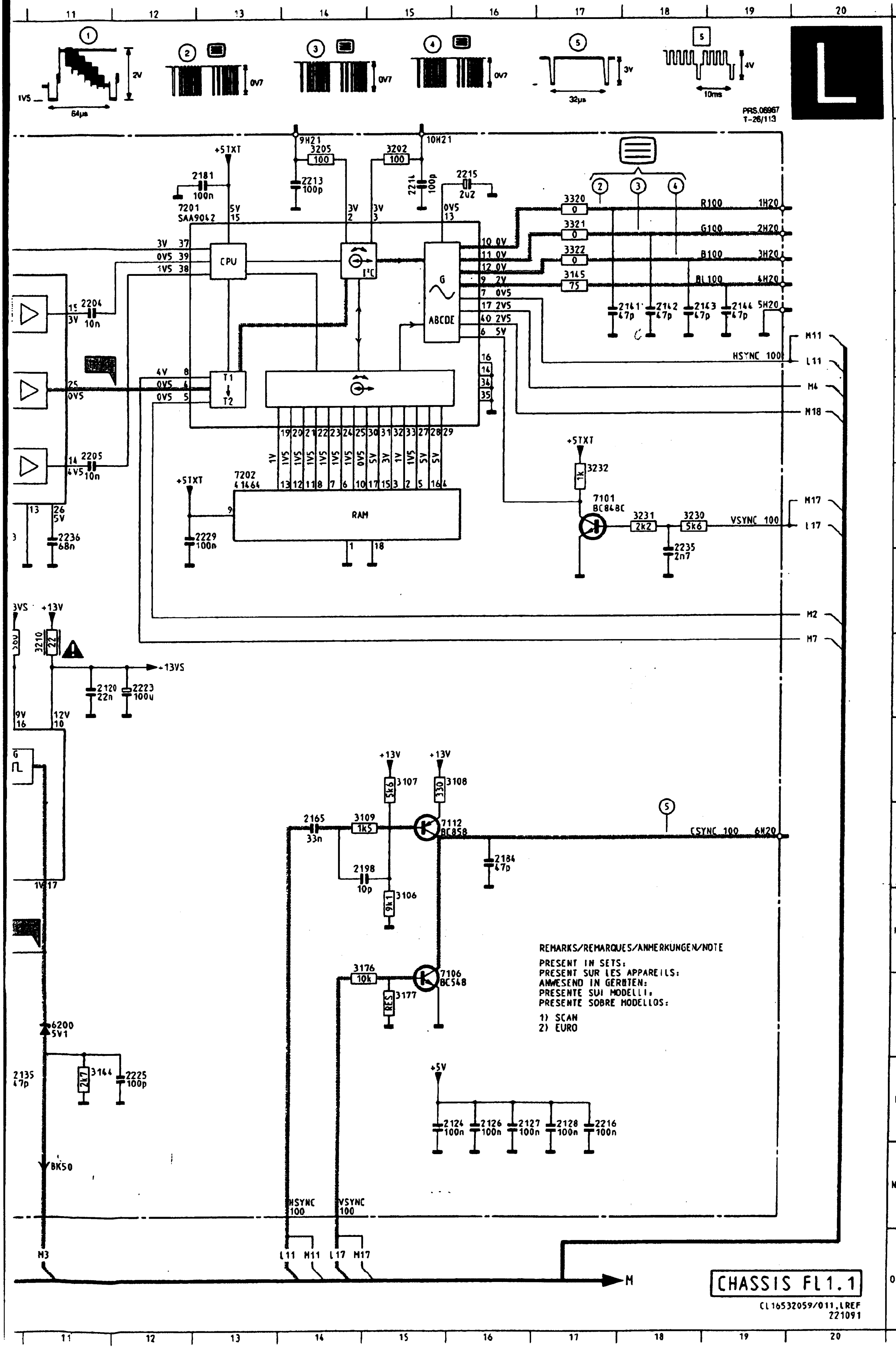
HIGH-END BOX TXT-DECODER
DÉCODEUR TXT
DECODIFICATORE TELEVIDEO
TP100
TP101
TP102
TP103
TP104
①
75ns
40ms
64µs
27MHz
6V
5V
2V
3V
1V5
0V
9H20
MAC DATA
10H20
+13TXT
3199 470
3198 12k5
2226 47p
+13IN
2183 100n
7200 SAA5231
PROC.
12V
3V
27 4V5
15 3V
2204 10n
25 0V5
14 4V5
2205 10n
6 MHz
÷2
16
4001 2)
+13V
+13TXT
3200 15 1)
2202 2u2 1)
2200 100u
2237 100n
3220 47k 1)
3223 1k
7109 BC858
7107 BC848 1)
3225 220 1)
5202 27u 1)
2228 150p 1)
3226 680 1)
3222 68k
3224 2k2 1)
3227 220 1)
10H22
3221 180
2227 10u
2137 22p
2212 15u
2211 1n
2210 470p
2209 22n
2208 270p
2207 100p
2206 15p
5201 15u
2203 27p
2236 68n
1200 13.875MHz
+13VTXT
2218 22u
3211 22
2217 2u2
3209 5k6
3212 1k2
2220 4u7
2219 100n
3214 30k
3228 10k
2224 2n7
+13VT
2222 100n
+13VS
3213 560
3210 22
2120 22n
2223 100u
7203 TDA2579B
CVBS
3208 1k
3216 5k6
2230 150p
5H22
6H22
COINC
2136 1n
TV IDENT.
15625Hz
50Hz
2221 100n
3218 1M5
3207 100k
3204 10k
3205 1k
3175 68k
7104 BC848
BK50
6202 LL4148
3215 1k
3139 100
6200 5V1
3206 3k3
2135 47p
3144 2k7
2225 100p
+5VIN
5252
2268 470u
2269 100n
+5V
5103
+5TXT
2273 330u
5040 22u
+5VD
2392 100u
5041 22u
+5VA
2310 220u
+13IN
5251
+13V
2265 100u
2266 1u
3136 15
6201 2V7
2311 47u
2274 47u
2276 100n
7218 MC78L05
2275 100n
2107 220u
5108
+5V*
Synchronisation
Synchronisation
Sincronizzazione
Synchronisation
V50
BLANK50
SC50
BK50
7H22
M19
M8
M3
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
12


L
PRS.06967
T-26/113
1V5
2V
64µs
0V7
3V
32µs
4V
10ms
+5TXT
2181 100n
7201 SAA9042
CPU
I²C
G
ABCDE
T1
T2
RAM
7202 41464
3205 100
3202 100
9H21
10H21
2213 100p
2214 100p
2215 2u2
3320 0
3321 0
3322 0
3145 75
R100
G100
B100
BL100
1H20
2H20
3H20
4H20
5H20
2141 47p
2142 47p
2143 47p
2144 47p
HSYNC 100
M11
L11
M4
M18
3232 1k
7101 BC848C
3231 2k2
3230 5k6
2235 2n7
VSYNC 100
M17
L17
2204 10n
2205 10n
2236 68n
2229 100n
M2
M7
+13V
3210 22
+13VS
2120 22n
2223 100u
3107 5k6
3108 330
2165 33n
3109 1k5
7112 BC858
2198 10p
3106 9k1
2184 47p
CSYNC 100
6H20
3176 10k
7106 BC548
3177 RES
6200 5V1
3144 2k7
2135 47p
2225 100p
+5V
2124 100n
2126 100n
2127 100n
2128 100n
2216 100n
BK50
M3
M

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) SCAN
2) EURO

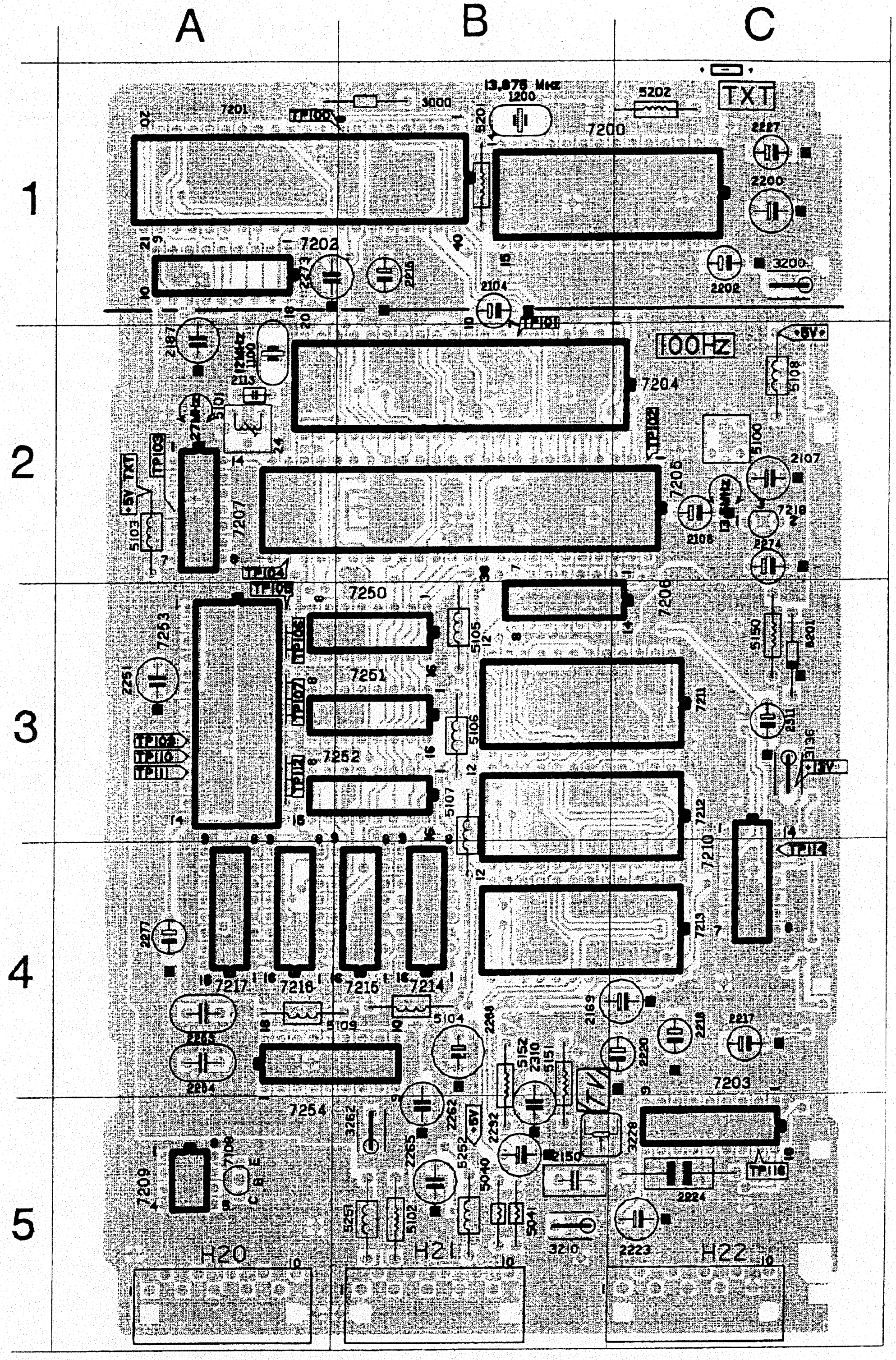
CHASSIS FL1.1

CL 16532059/011.LREF
221091

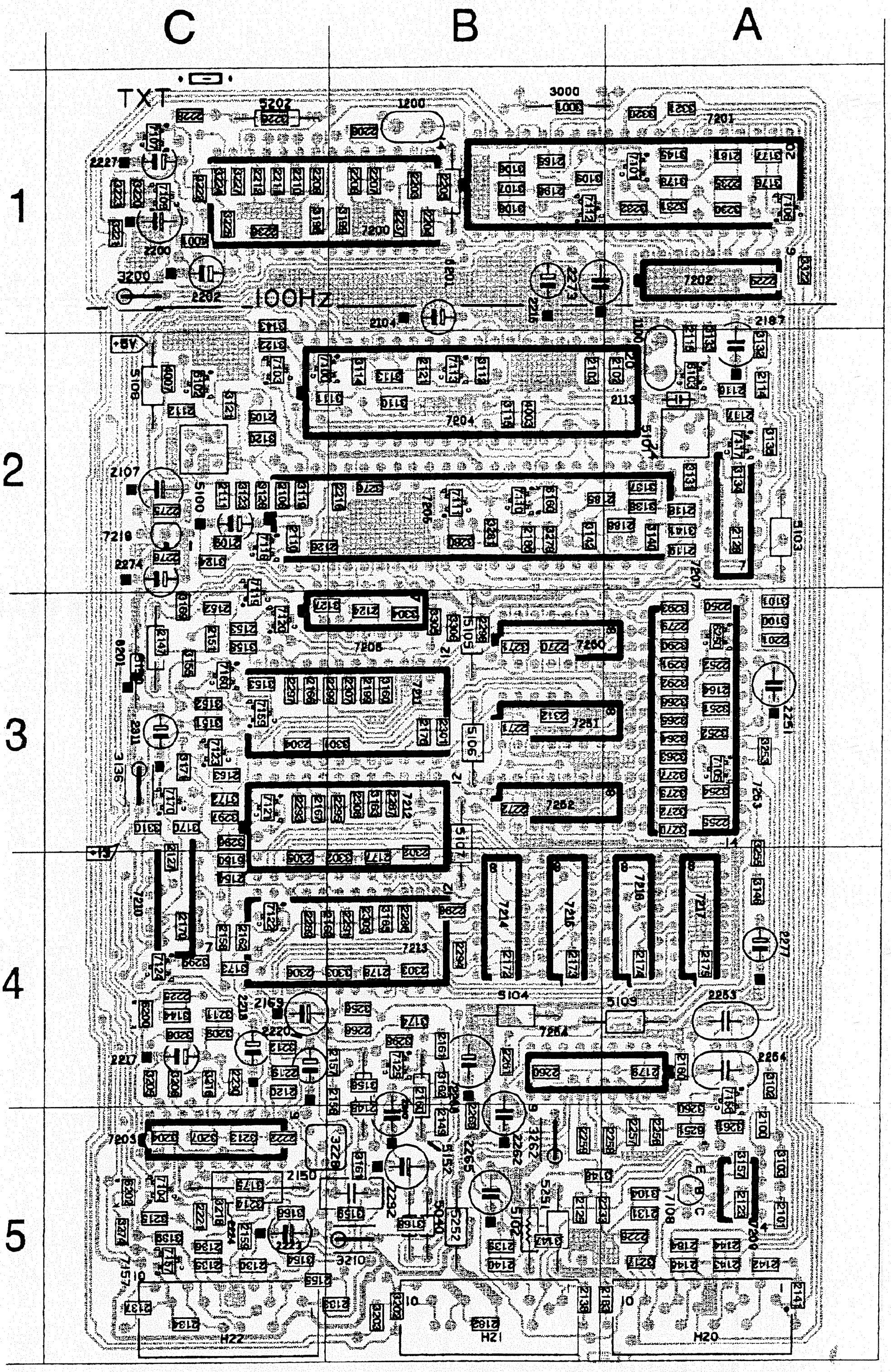
1200	G 9	6200	L11
2107	N 5	6201	N 3
2120	H11	6202	L 9
2124	M15	7101	F17
2126	M16	7104	K10
2127	M16	7106	L15
2128	M17	7107	F 4
2135	M10	7109	E 5
2136	J 4	7112	J15
2137	F 2	7200	C 6
2141	D17	7201	C12
2142	D18	7202	F13
2143	D18	7203	H 6
2144	D19	7218	M 4
2165	J14		
2181	B13		
2183	C10		
2184	J16		
2198	J14		
2200	E 6		
2202	E 5		
2203	F10		
2204	D11		
2205	E11		
2206	F 9		
2207	F 9		
2208	F 8		
2209	F 8		
2210	F 7		
2211	F 7		
2212	F 7		
2213	B14		
2214	B15		
2215	B16		
2216	M17		
2217	H 6		
2218	G 6		
2219	H 8		
2220	H 7		
2221	J 5		
2222	H10		
2223	H12		
2224	H 9		
2225	M12		
2226	C 9		
2227	E 3		
2228	F 5		
2229	F12		
2230	I 4		
2235	G18		
2236	F11		
2237	E 6		
2265	M 2		
2266	M 3		
2268	K 2		
2269	K 3		
2273	K 4		
2274	N 3		
2275	N 5		
2276	N 3		
2310	L 4		
2311	N 2		
2392	L 4		
3106	K15		
3107	I 15		
3108	I 15		
3109	J14		
3136	N 2		
3139	L10		
3144	M11		
3145	C17		
3175	K10		
3176	K14		
3177	L15		
3198	B 8		
3199	B 8		
3200	D 6		
3202	B15		
3204	K 9		
3205	B14		
3205	K 9		
3206	M 8		
3207	K 7		
3208	I 4		
3209	H 7		
3210	H11		
3211	G 7		
3212	G 8		
3213	H10		
3214	G 9		
3215	L 9		
3216	I 4		
3218	J 6		
3220	E 4		
3221	E 3		
3222	F 4		
3223	E 4		
3224	F 4		
3225	F 5		
3226	F 6		
3227	F 6		
3228	H 9		
3230	F18		
3231	F18		
3232	E17		
3320	B17		
3321	C17		
3322	C17		
4001	D 4		
5040	K 4		
5041	L 4		
5103	K 4		
5201	F10		
5202	E 6		
5251	M 2		
5252	K 2		

High-end box

1200	B1
2104	B1
2107	C2
2108	C2
2113	A2
2150	C5
2169	C4
2187	A2
2200	C1
2202	C1
2215	B1
2217	C4
2218	C4
2220	C4
2223	C5
2224	C5
2227	C1
2251	A3
2253	A4
2254	A4
2262	B5
2265	B5
2268	B4
2273	B1
2274	C2
2277	A4
2292	B5
2310	B5
2311	C3
3000	B1
3136	C3
3200	C1
3210	B5
3228	C5
3262	B5
5040	B5
5041	B5
5100	C2
5101	A2
5102	B5
5103	A2
5104	B4
5105	B3
5106	B3
5107	B3
5108	C2
5109	B4
5150	C3
5151	B4
5152	B4
5201	B1
5202	C1
5251	B5
5252	B5
6201	C3
7108	A5
7200	C1
7201	B1
7202	A1
7203	C5
7204	C2
7205	C2
7206	C2
7207	A2
7209	A5
7210	C3
7211	C3
7212	C3
7213	C4
7214	B4
7215	B4
7216	B4
7217	A4
7218	C2
7250	B3
7251	B3
7252	B3
7253	A3
7254	A4
H20	A5
H21	B5
H22	C5


A
B
C
1
2
3
4
5
13,875 MHz
1200
3000
5202
TXT
7201
7200
TP100
2227
2200
2202
3200
7202
2104
TP101
100Hz
+5V
5108
7204
TP102
2187
2113
5101
+5V TXT
TP103
5103
7207
7205
5100
2107
2108
7218
2274
TP104
TP105
7250
7206
5105
5150
7253
2251
7251
5106
2311
3136
+5V
TP106
TP107
TP108
TP110
TP111
TP112
7252
5107
7211
7212
7210
TP114
2277
7217
7216
7215
7214
7213
5109
5104
2268
5152
2310
5151
2169
2220
2218
2217
2253
2254
7254
7203
3262
2262
2265
5252
+5V
2292
5040
5041
2150
3228
TP116
2224
7209
7108
C B E
5251
5102
3210
2223
H20
H21
H22
10

High-end box



H20	A5
H21	B5
H22	C5
1200	B1
2100	A5
2101	A5
2102	B2
2103	B2
2104	B1
2105	C2
2106	C2
2107	C2
2108	C2
2109	C2
2110	C2
2111	C2
2112	C2
2113	A2
2114	A2
2115	A2
2116	A2
2117	A2
2118	A2
2119	A2
2120	C4
2121	B2
2123	A5
2124	B3
2125	B5
2126	C2
2127	C3
2128	A2
2130	C5
2131	A5
2133	C5
2134	C5
2135	C5
2136	C5
2137	C5
2138	B5
2139	B5
2140	B5
2141	A5
2142	A5
2143	A5
2144	A5
2146	A5
2147	C3
2148	B4
2149	B5
2150	C5
2151	C3
2152	C3
2153	C3
2154	C4
2155	C5
2156	C4
2157	C4
2158	C4
2159	C5
2160	B4
2161	B4
2162	C4
2163	C3
2164	A3
2165	B1
2166	C3
2167	C3
2168	C4
2169	C4
2170	C4
2172	B4
2173	B4
2174	A4
2175	A4
2176	B3
2177	B4
2178	B4
2179	A4
2180	A4
2181	A1
2182	B5
2183	B5
2184	A5
2185	B2
2186	B2
2187	A2
2188	B2
2198	B1
2199	B3
2200	C1
2201	A3
2202	C1
2203	B1
2204	B1
2205	B1
2206	B1
2207	B1
2208	C1
2209	C1
2210	C1
2211	C1
2212	C1
2215	B1
2216	C2
2217	C4
2218	C4
2219	C4
2220	C4
2221	C5
2222	C5
2223	C5
2224	C5
2225	C4
2226	A5
2227	C1
2228	C1
2229	A1
2230	C4
2233	B5
2235	A1
2236	C1
2237	B1
2250	A3
2251	A3
2252	A3
2253	A4
2254	A4
2255	A3
2256	A5
2257	A5
2258	B5
2259	B5
2260	B4
2261	B4
2262	B5
2265	B5
2266	B4
2268	B4
2269	B5
2270	B3
2271	B3
2272	B3
2273	B1
2274	C2
2275	C2
2276	C2
2277	A4
2279	A3
2286	B4
2287	B3
2289	C4
2291	C4
2292	B5
2293	C3
2294	B4
2295	C3
2296	B4
2297	C3
2298	B3
2299	C3
2301	B3
2302	B3
2303	B4
2304	C3
2305	C4
2306	C4
2307	C3
2308	B3
2309	B4
2310	B5
2311	C3
2312	B3
3000	B1
3001	B1
3100	A3
3101	A3
3102	A4
3103	A5
3104	A5
3106	B1
3107	B1
3108	B1
3109	B1
3110	B2
3111	C2
3112	B2
3113	B2
3114	B2
3115	B2
3119	C2
3120	C2
3121	C2
3122	C2
3123	C2
3124	C2
3126	C2
3127	C3
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3132	A2
3133	A2
3134	A2
3135	A2
3136	C3
3137	A2
3138	A2
3139	C5
3140	A2
3141	A2
3142	B2
3143	C1
3144	C4
3145	A1
3146	A4
3147	B5
3148	B5
3151	C3
3152	C3
3153	C3
3155	C3
3156	B4
3157	A5
3158	C3
3159	C5
3160	B3
3161	B5
3162	B4
3163	B3
3164	C5
3165	B4
3166	C5
3168	B5
3169	C3
3170	C3
3171	C3
3172	C3
3173	C4
3174	B4
3175	C5
3176	A1
3177	A1
3178	A1
3198	C1
3199	C1
3200	C1
3202	B5
3203	B5
3204	C5
3205	C4
3206	C4
3207	C5
3208	C4
3209	C4
3210	B5
3211	C4
3212	C4
3213	C5
3214	C5
3215	C5
3216	C4
3217	A5
3218	C5
3220	C1
3221	C1
3222	C1
3223	C1
3224	C1
3225	C1
3226	C1
3227	C1
3228	C5
3230	A1
3231	A1
3232	B1
3251	A3
3252	A3
3253	A3
3254	A3
3255	A3
3256	B4
3260	A4
3261	A5
3262	B5
3263	A3
3264	A3
3265	A3
3266	A3
3270	A3
3271	B3
3272	A3
3273	A3
3274	C5
3276	B2
3277	A3
3279	B2
3280	B2
3281	B2
3290	A3
3291	A3
3292	A3
3293	A3
3296	C3
3297	C3
3298	B4
3299	C4
3301	C3
3302	C4
3303	C4
3304	B3
3305	B3
3306	B3
3310	C3
3320	A1
3321	A1
3322	A1
4001	C1
4003	B2
4007	C2
5040	B5
5041	B5
5100	C2
5101	A2
5102	B5
5103	A2
5104	B4
5105	B3
5106	B3
5107	B3
5108	C2
5109	B4
5150	C3
5151	B4
5152	B4
5201	B1
5202	C1
5251	B5
5252	B5
6102	C2
6103	A2
6150	C4
6160	B2
6200	C4
6201	C3
6202	C5
6250	A3
6251	A5
7100	C2
7101	B1
7103	C2
7104	C5
7105	A3
7106	A1
7107	C1
7108	A5
7109	C1
7110	B2
7111	B2
7112	B1
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7116	C2
7117	A2
7119	C2
7120	C3
7121	C3
7122	C4
7123	C3
7124	C4
7125	B4
7156	A4
7157	C5
7159	C3
7160	C3
7170	C3
7200	C1
7201	B1
7202	A1
7203	C5
7204	C2
7205	C2
7206	C2
7207	A2
7209	A5
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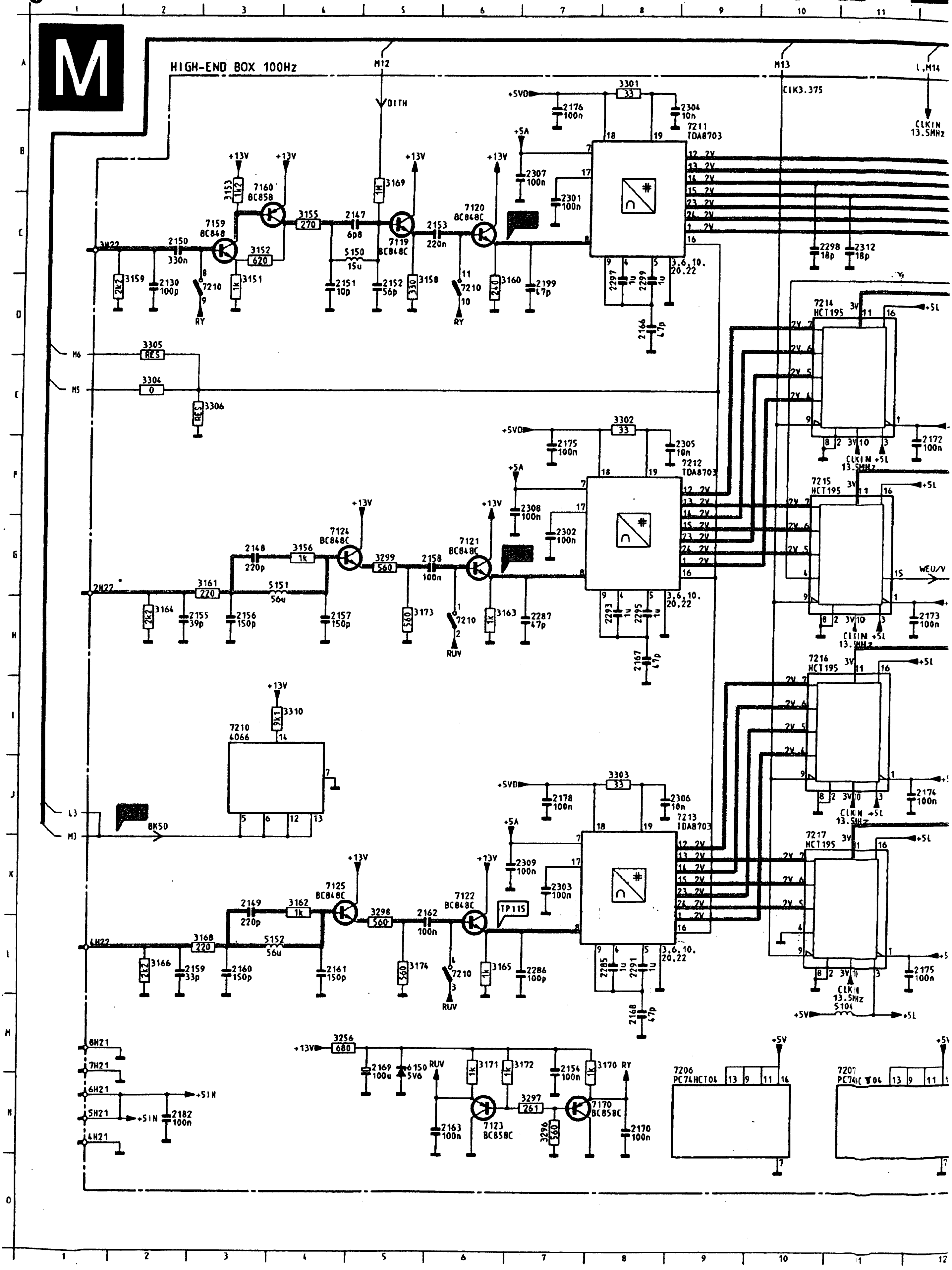
7211	C3
7212	C3
7213	C4
7214	B4
7215	B4
7216	B4
7217	A4
7218	C2
7250	B3
7251	B3
7252	B3
7253	A3
7254	A4

High-end box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HIGH-END BOX 100Hz
M12
DITH
M13
CLK3.375
M14
CLKIN 13.5MHz
+5VD
3301 33
2176 100n
2304 10n
7211 TDA8703
+5A
2307 100n
2301 100n
+13V
3153 1K2
7160 BC858
7159 BC848
3H22
2150 330n
3159 2k2
2130 100p
7210 RY
3152 620
3151 1k
3155 270
2147 6p8
5150 15u
2151 10p
2152 56p
3169 1M
7119 BC848C
3158 330
2153 220n
7120 BC848C
3160 240
2199 47p
2297 1u
2299 1u
2166 47p
7214 HCT195
2298 18p
2312 18p
+5L
M6
3305 RES
M5
3304 0
3306 RES
3302 33
2175 100n
2305 10n
7212 TDA8703
2308 100n
2302 100n
7215 HCT195
2172 100n
CLKIN 13.5MHz
7124 BC848C
7121 BC848C
2148 220p
3156 1k
3299 560
2158 100n
2H22
3161 220
5151 56u
3164 2k2
2155 39p
2156 150p
2157 150p
3173 560
7210 RUV
3163 1k
2287 47p
2293 1u
2295 1u
2167 47p
WEU/V
2173 100n
7216 HCT195
+13V
3310 9k1
7210 4066
L3
M3
BK50
3303 33
2178 100n
2306 10n
7213 TDA8703
2309 100n
2303 100n
2174 100n
7217 HCT195
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TP115
2149 220p
3162 1k
3298 560
2162 100n
4H22
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5152 56u
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2159 33p
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2161 150p
3174 560
3165 1k
2286 100p
2285 1u
2291 1u
2168 47p
2175 100n
5104
+5V
+5L
8H21
7H21
6H21
5H21
4H21
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2182 100n
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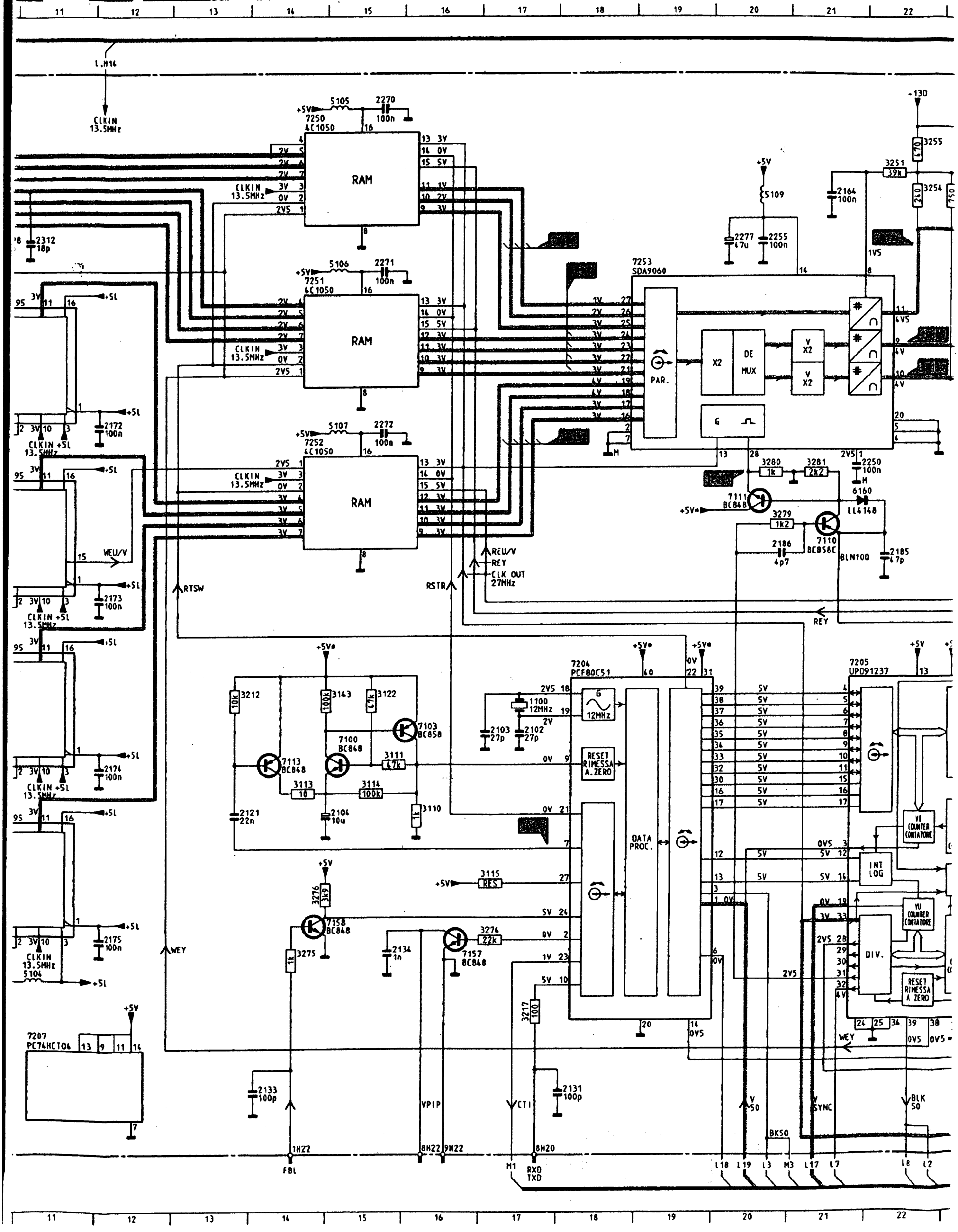
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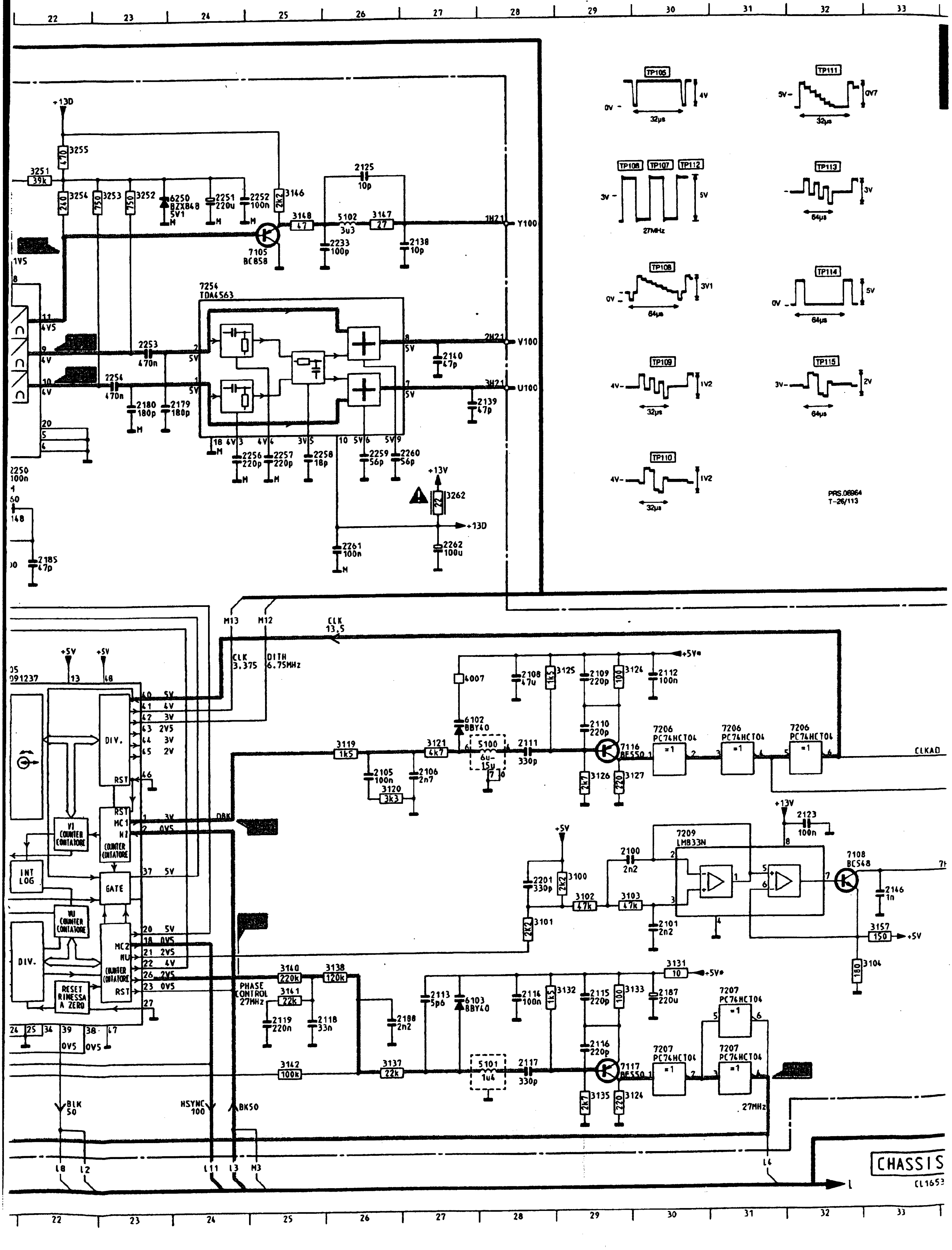
5105
2270 100n
7250 4C1050
RAM
5106
2271 100n
7251 4C1050
5107
2272 100n
7252 4C1050
2312 18p
2172 100n
2173 100n
2174 100n
2175 100n
5104
WEU/V
RTSW
RSTR
REU/V
REY
CLK OUT 27MHz
WEY
7253 SDA9060
PAR.
X2
DE MUX
V X2
5109
2277 47u
2255 100n
2164 100n
+130
3255 470
3251 39k
3254 240
2250 100n
3280 1k
3281 2k2
7111 BC848
6160 LL4148
3279 1k2
7110 BC858C
2186 4p7
2185 47p
BLN100
7204 PCF80C51
1100 12MHz
2103 27p
2102 27p
RESET RIMESSA A.ZERO
DATA PROC.
3212 10k
3143 100k
3122 47k
7103 BC858
7100 BC848
7113 BC848
3111 47k
3113 10
3114 100k
3110 1k
2121 22n
2104 10u
3115 RES
3276 3k9
7158 BC848
3275 1k
2134 1n
7157 BC848
3274 22k
3217 100
2133 100p
2131 100p
7207 PC74HCT04
7205 UPD91237
VI COUNTER CONTATORE
INT LOG
VU COUNTER CONTATORE
DIV.
RESET RIMESSA A ZERO
FBL
VP1P
CT1
RXD TXD
V 50
SYNC
BLK 50
BK50
1H22
8H22
9H22
8H20
M1
L18
L19
L3
M3
L17
L7
L8
L2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2252 100n
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3147 27
1H21
Y100
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1V5
7254 TDA4563
4V5
2253 470n
5V
2H21
V100
2140 47p
2254 470n
3H21
U100
2139 47p
2180 180p
2179 180p
2256 220p
2257 220p
2258 18p
2259 56p
2260 56p
+13V
3262 22
+13D
2261 100n
2262 100u
2250 100n
2185 47p
TP105
0V
4V
32µs
TP111
5V
0V7
32µs
TP106
TP107
TP112
3V
5V
27MHz
TP113
3V
64µs
TP108
0V
3V1
64µs
TP114
0V
5V
64µs
TP109
4V
1V2
32µs
TP115
3V
2V
64µs
TP110
4V
1V2
32µs
PRS.06964
T-26/113
M13
M12
CLK 13,5
CLK 3,375
DITH 6.75MHz
+5V
+5V*
4007
2108 47u
3125 1k5
2109 220p
3124 100
2112 100n
2110 220p
6102 BBY40
3119 1k5
3121 4k7
5100 6u-15u
2111 330p
7116 BF550
3126 2k7
3127 220
2105 100n
2106 2n7
3120 3k3
7206 PC74HCT04
CLKAD
DIV.
RST
VI COUNTER CONTATORE
MC1
HI
COUNTER CONTATORE
DBK
INT LOG
GATE
VU COUNTER CONTATORE
MC2
HU
RESET RIMESSA A ZERO
40 5V
41 4V
42 3V
43 2V5
44 3V
45 2V
46
1 3V
2 0V5
37 5V
20 5V
18 0V5
21 2V5
22 4V
26 2V5
23 0V5
27
24 25 34 39 38 47
0V5
0V5
+13V
2123 100n
7209 LM833N
2100 2n2
2201 330p
3100 2k2
3102 47k
3103 47k
2101 2n2
3101 2k2
7108 BC548
2146 1n
3157 150
+5V
3104 180
3140 220k
3138 120k
PHASE CONTROL 27MHz
3141 22k
2119 220n
2118 33n
2188 2n2
2113 5p6
6103 BBY40
2114 100n
3132 1k5
2115 220p
3133 100
2187 220u
3131 10
+5V*
2116 220p
7117 BF550
7207 PC74HCT04
3142 100k
3137 22k
5101 1u4
2117 330p
3135 2k7
3124 220
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HSYNC 100
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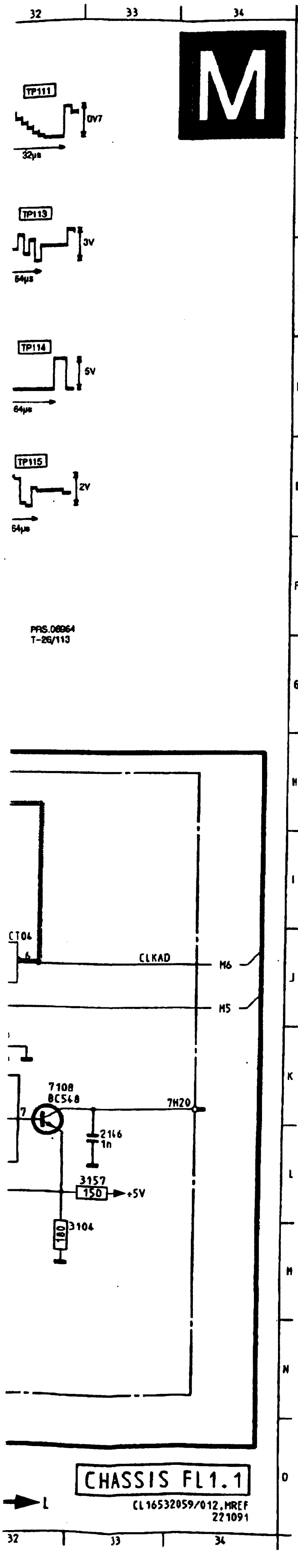
L8
L2
L11
L3
M3
L4
CHASSIS
CL1653



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	2102	J17	3121	J27	7210	D 3
A	2103	J17	3122	I15	7210	D 6
	2104	K15	3124	I29	7210	H 6
	2105	J26	3124	N29	7210	L 6
	2106	J27	3125	I28	7210	I 3
	2108	I28	3126	J29	7211	B 9
	2109	I29	3127	J29	7212	F 9
	2110	I29	3131	M30	7213	J 9
	2111	J28	3132	M28	7214	D10
B	2112	I30	3133	M29	7215	F10
	2113	M27	3135	N29	7216	H10
	2114	M28	3137	N26	7217	K10
	2115	M29	3138	M26	7250	B14
	2116	N29	3140	M25	7251	D14
	2117	N28	3141	M25	7252	F14
	2118	M25	3142	N25	7253	D18
	2119	M25	3143	I15	7254	D24
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	2123	K32	3147	C26		
	2125	B26	3148	C25		
	2130	D 2	3151	D 3		
	2131	N18	3152	C 3		
	2133	N14	3153	B 3		
	2134	L15	3155	C 4		
D	2138	C27	3156	G 4		
	2139	E27	3157	L33		
	2140	E27	3158	D 5		
	2146	L33	3159	D 2		
	2147	C 4	3160	D 6		
	2148	G 3	3161	G 3		
	2149	K 3	3162	K 4		
	2150	C 2	3163	H 6		
E	2151	D 4	3164	H 2		
	2152	D 5	3165	L 6		
	2153	C 5	3166	L 2		
	2154	M 7	3168	L 3		
	2155	H 2	3169	B 5		
	2156	H 3	3170	M 8		
	2157	H 4	3171	M 6		
F	2158	G 5	3172	M 7		
	2159	L 2	3173	H 5		
	2160	L 3	3174	L 5		
	2161	L 4	3212	I13		
	2162	L 5	3217	M17		
	2164	C21	3251	B22		
	2166	D 8	3252	B23		
	2167	H 8	3253	B23		
6	2168	M 8	3254	B22		
	2169	M 5	3255	B22		
	2172	F12	3256	M 4		
	2173	H12	3262	F27		
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	2175	L12	3275	L14		
	2175	F 7	3279	G20		
H	2176	B 7	3280	F20		
	2178	J 7	3281	F21		
	2179	E24	3296	N 7		
	2180	E23	3297	N 7		
	2182	N 2	3298	L 5		
	2182	N 8	3299	G 5		
	2182	N 6	3301	A 8		
	2185	G22	3302	E 8		
I	2186	G20	3303	J 8		
	2187	M30	3304	E 2		
	2188	M26	3305	D 2		
	2199	D 7	3306	E 3		
	2201	K28	3310	I 4		
	2233	C26	4007	I27		
	2250	F21	5100	J28		
	2251	C24	5101	N28		
J	2252	C25	5102	C26		
	2253	D23	5104	M11		
	2254	E23	5105	A15		
	2255	C20	5106	D15		
	2256	F24	5107	F15		
	2257	F25	5109	C20		
	2258	F25	5150	C 4		
K	2259	F26	5151	G 4		
	2260	F26	5152	L 4		
	2261	G26	6102	I27		
	2262	G27	6103	M27		
	2270	A15	6150	M 5		
	2271	D15	6160	F21		
	2272	F15	6250	C24		
L	2277	C20	7100	J15		
	2286	L 7	7103	I16		
	2287	H 7	7105	C25		
	2289	L 8	7108	K32		
	2291	L 8	7110	G21		
	2293	H 8	7111	G20		
	2295	H 8	7113	J14		
	2297	D 8	7116	J29		
M	2298	C10	7117	N29		
	2299	D 8	7119	C 5		
	2301	C 7	7120	C 6		
	2302	G 7	7121	G 6		
	2303	K 7	7122	K 6		
	2304	B 9	7123	N 6		
	2305	F 9	7124	G 4		
N	2306	J 9	7125	K 4		
	2307	B 7	7157	L16		
	2308	F 7	7158	L15		
	2309	K 7	7159	C 3		
	2312	C11	7160	B 3		
	3100	K29	7170	N 8		
	3101	I28	7204	I18		
	3102	I29	7205	I21		
	3103	I29	7206	M 9		
O	3104	M32	7206	J30		
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	3111	J15	7206	J32		
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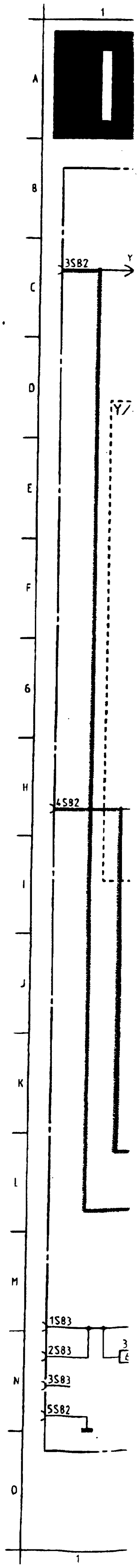
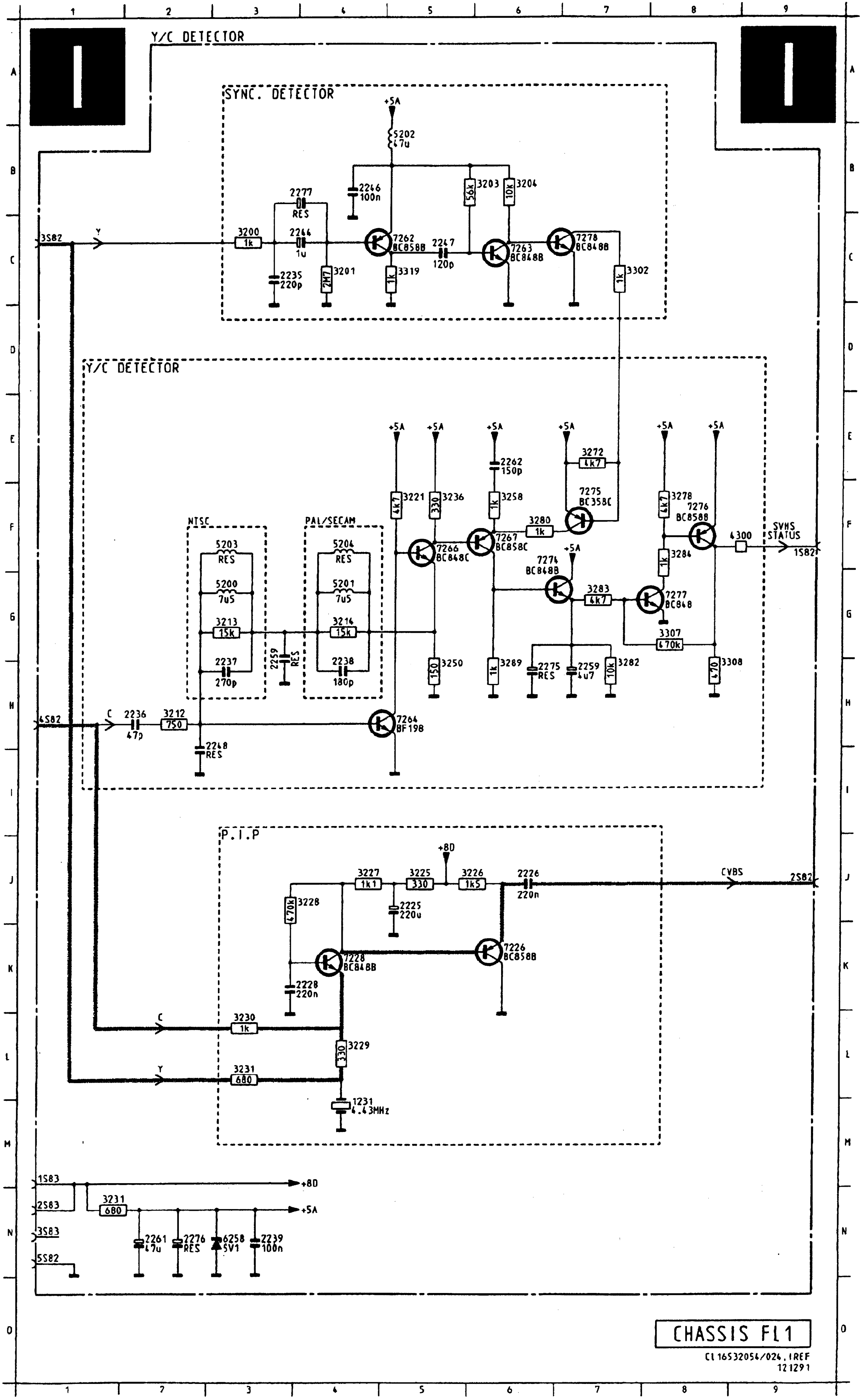
	3114	J15	7207	N30		


1
A
B
C
D
E
F
6
H
I
J
K
L
M
N
O
3S82
Y
4S92
1S83
2S83
3S83
5S82
1

Y/C Detector Y/C Detektor Détecteur Y/C


Y/C DETECTOR
SYNC. DETECTOR
Y/C DETECTOR
NTSC
PAL/SECAM
P.I.P
+5A
5202 47u
2246 100n
3203 56k
3204 10k
2277 RES
3200 1k
2244 1u
7262 BC858B
2247 120p
7263 BC848B
7278 BC848B
2235 220p
2M7 3201
3319 1k
3302 1k
3S82
Y
3272 4k7
7275 BC358C
2262 150p
3221 4k7
3236 330
3258 1k
3280 1k
7266 BC848C
7267 BC858C
7274 BC848B
3283 4k7
7277 BC848
3278 4k7
7276 BC858B
3284 1k
4300
SVHS STATUS
1S82
5203 RES
5200 7u5
3213 15k
2237 270p
5204 RES
5201 7u5
3214 15k
2238 180p
2259 RES
3250 150
3289 1k
2275 RES
2259 4u7
3282 10k
3307 470k
3308 470
4S82
C
2236 47p
3212 750
2248 RES
7264 BF198
+8D
3227 1k1
3225 330
3226 1k5
2226 220n
CVBS
2S82
3228 470k
2225 220u
7228 BC848B
7226 BC858B
2228 220n
3230 1k
3229 330
3231 680
1231 4.43MHz
1S83
2S83
3S83
5S82
3231 680
+8D
+5A
2261 47u
2276 RES
6258 5V1
2239 100n
CHASSIS FL1
CL 16532054/024, IREF
121291

1231	M	4
2225	J	5
2226	J	6
2228	K	3
2235	C	3
2236	H	2
2237	H	3
2238	H	4
2239	N	3
2244	C	4
2246	B	4
2247	C	5
2248	I	2
2259	G	3
2259	H	7
2261	N	2
2262	E	6
2275	H	6
2276	N	2
2277	B	4
3200	C	3
3201	C	4
3203	B	5
3204	B	6
3212	H	2
3213	G	3
3214	G	4
3221	F	5
3225	J	5
3226	J	5
3227	J	4
3228	J	4
3229	L	4
3230	L	3
3231	L	3
3231	N	1
3236	F	5
3250	G	5
3258	F	6
3272	E	7
3278	F	8
3280	F	6
3282	G	7
3283	G	7
3284	F	8
3289	G	6
3302	C	7
3307	G	8
3308	G	8
3319	C	5
4300	F	9
5200	G	3
5201	G	4
5202	B	5
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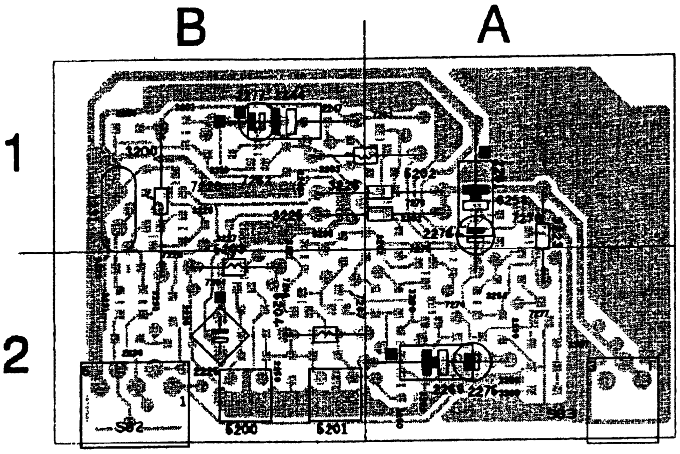
5204	F	4
6258	N	3
7226	K	6
7228	K	4
7262	C	5
7263	C	6
7264	H	5
7266	F	5
7267	F	6
7274	F	6
7275	F	7
7276	F	8
7277	G	8
7278	C	7

Y/C

31 M 4
25 J 5
26 J 6
28 K 3
35 C 3
36 H 2
37 H 3
38 H 4
39 N 3
44 C 4
46 B 4
47 C 5
48 I 2
59 G 3
59 H 7
61 N 2
62 E 5
75 H 6
76 N 2
77 B 4
00 C 3
01 C 4
03 B 5
04 B 6
12 H 2
13 G 3
14 G 4
21 F 5
25 J 5
26 J 5
27 J 4
28 J 4
29 L 4
30 L 3
31 L 3
31 N 1
36 F 5
50 G 5
58 F 6
72 E 7
78 F 8
30 F 6
32 G 7
33 G 7
34 F 8
39 G 6
02 C 7
07 G 8
08 G 8
19 C 5
00 F 9
00 G 3
01 G 4
02 B 5
03 F 3
04 F 4
58 N 3
26 K 6
28 K 4
52 C 5
53 C 6
54 H 5
56 F 5
57 F 6
74 F 6
75 F 7
76 F 8
77 G 8
78 C 7

Y/C Detector panel
Y/C Detektor Platine
Platine du détecteur Y/C



S82	B2
S83	A2
1231	B1
2225	B2
2226	B2
2228	B1
2235	B1
2236	B2
2237	B2
2238	B2
2239	A2
2244	B1
2246	B1
2247	B1
2248	B2
2259	B2
2261	A1
2262	B2
2269	A2
2275	A2
2276	A1
2277	B1
3190	A2
3200	B1
3201	A1
3203	B1
3204	A1
3212	B2
3213	B2
3214	B2
3221	B2
3223	A1
3225	A1
3226	A1
3227	B1
3228	B1
3229	B2
3230	B2
3231	B2
3236	B2
3250	A2
3258	B2
3272	A2
3278	A2
3280	A2
3282	A2
3283	A2
3284	A2
3289	A2
3302	A2
3307	A2
3308	A2
3319	B1
3991	A2
4300	A2
5200	B2
5201	B2
5202	B1
5203	B2
5204	B2
6258	A1
7226	B1
7228	B1
7262	B1
7263	A1
7264	B2
7266	B2
7267	B2
7274	A2
7275	A2
7276	A1
7277	A2
7278	A1

Electrical adjustments

Setting conditions

- Unless stated otherwise, the supply voltage used is:
  220 - 240V ± 10%; 50 - 60Hz ± 5%
- Voltages and oscillograms are measured in relation to tuner earth. **Never** use the cooling plates as earth.
- Warming-up time ≈ 10 minutes
- For all measurements it is true that:
  probe Ri > 1MΩ; Ci < 10pF

1. Electrical settings on the large signal panel

1.1 +141V supply voltage

Supply the mains voltage; this must be isolated from the mains.
Connect a voltmeter over C2238.
Using R3371, on the SOPS DRIVE CIRCUIT (fig. 7.2) set the supply voltage to + 141V ± 0.5V.

1.2 Focusing

This is set with the focus potentiometer (top one on the Line output transformer).

1.3 Vg2 setting

Supply an aerial signal.
Set the contrast to maximum and the brightness and saturation to nominal.
Using an oscilloscope set to field frequency, measure the direct voltage level of the measurement pulse (fig. 7.1) on pin 9 of IC7705, IC7706 and IC7707 in relation to earth.
Now adjust the highest voltage level found with the aid of the Vg2 potentiometer (bottom left on the Line output transformer) to 150V ± 2V.

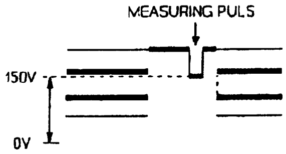


Fig. 7.1

1.4 Stable OSD

Short circuit pin 11 IC7401 to pin 13 IC7401
Short circuit pin 5 IC7755 to earth.
Measure the frequency on pin 16-IC7401 and set this to 15,625 Hz ± 25 Hz with R3434.
Remove the short circuits.

1.5 Horizontal synchronisation

Connect point 5-IC7400 to point 9-IC7400.
Supply an aerial signal and set the receiver.
Adjust potentiometer R3406 until the picture is straight.
Break the through connection.

1.6 Horizontal centring

Set using potentiometer R3513.

1.7 Picture width

Set using potentiometer R3607.

1.8 Vertical centring

Set using potentiometer R3467.

1.9 Picture height

Set using potentiometer R3410.

1.10 East/West correction

Set using potentiometer R3602.

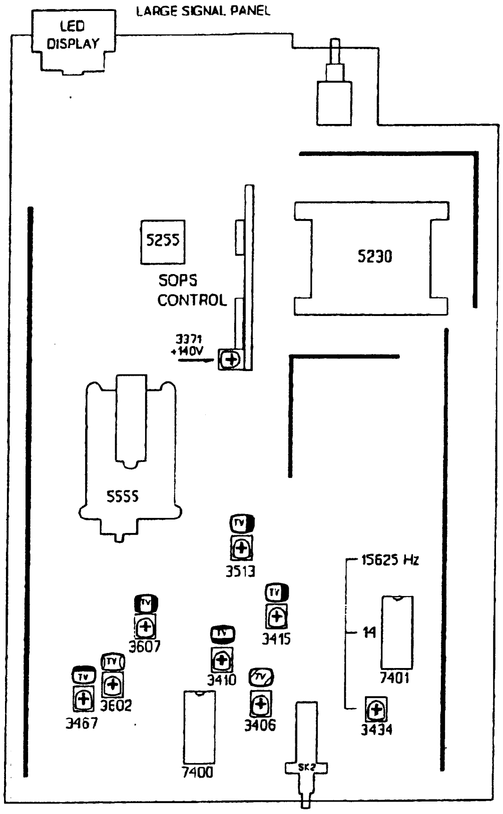


Fig. 7.2

2. Electrical settings on the small signal panel

2.1 Stereo audio channel separation
Connect a signal generator with a 2 carrier stereo signal ("stereo" mode).
Select 1kHz for the right-hand channel and switch off the sound for the left-hand channel.
Connect an oscilloscope to pin 3 of Euroconnector EXT1
Using R3602 on the small signal panel, set the amplitude of the signal to minimum amplitude.

2.2 4.43 MHz chroma suppression circuit
Supply a colour bar signal. Connect an oscilloscope to point 17 of IC7324 and set L5305 to minimum amplitude of the chrominance signal.

2.3a Electrical settings for sets with IC7364 - TDA4510

a-1 Chroma bandpass filter
Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.43 MHz. Connect the unit to EXT1. Connect an oscilloscope to pin 9-IC7364.
Set L5354 to maximum amplitude.

a-2 Chroma auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7364 (TDA4510) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

2.3b Electrical settings for sets with IC7365 - TDA4650

b-1 Chroma bandpassfilter
Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.286 MHz/0.2 Vpp. Switch the unit to EXT1. Connect pin 27-IC7365 to pin 13-IC7365 (+12V). Connect an oscilloscope to pin 15-IC7365.
Set L5345 to maximum amplitude.
Remove the interconnection.

b-2 4.50 MHz NTSC sound suppression
Connect a generator to point 20 of Euroconnector EXT1 with a frequency of 4.50 MHz and $200mV_{rms}$.
Connect point 26-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-3 6.50 MHz SECAM DK sound suppression
Connect a sine-wave generator to point 20 of Euroconnector EXT1 with a frequency of 6.50 MHz and $200mV_{rms}$.
Connect point 28-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-4 Chroma 8,87 MHz auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

b-5 Chroma 7,16 MHz auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set R2379 so that the colour on the screen has practically stopped. Remove the interconnection.

b-6 SECAM demodulators
Connect a pattern generator and supply a SECAM black pattern. Connect an oscilloscope to pin 3-IC7365. Set L5370 to minimum amplitude.
Connect the oscilloscope to pin 1-IC7365. Set R3370 to minimum amplitude.

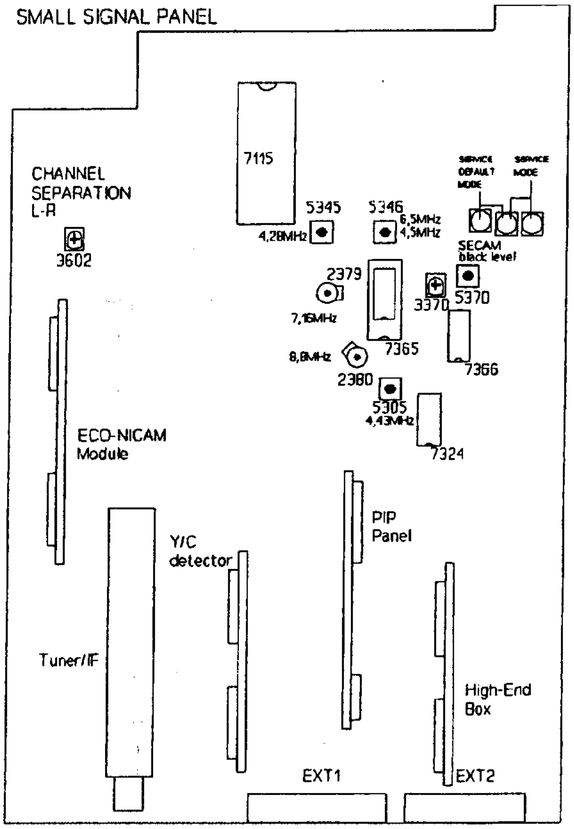


Fig. 7.3

PAL
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PAL
5
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nove the

SECAM
pin
de.
. Set

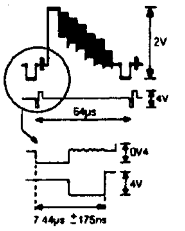
-End

3. Electrical adjustments on the high-end box

3.1 Synchronisation
Connect point 5 of IC7203 to earth. Adjust R3228 until the picture is straight.
Remove the short circuit.

3.2 13.5 MHz oscillator
Measure the signals at point 1 of IC7205 and at point 5 Of IC7203 simultaneously with an oscilloscope (fig. 7.2). Adjust coil L5100 so that the positive-going flank of the signal at point 1 of IC7205 comes 7.62 µsec after the negative-going flank of the sync pulse in the video signal (point 5 of IC7203).

3.3 27 MHz oscillator
Apply a PAL/SECAM signal. Short pin 28 of IC7204 to earth. Measure the frequency at point 6 of IC7207. Using L5101 set the frequency to 27 MHz ± 50 kHz.


2V
4V
64µs
0V4
4V
7.44µs ±175ns

PRS 08965
T-26/113

Fig. 7.4

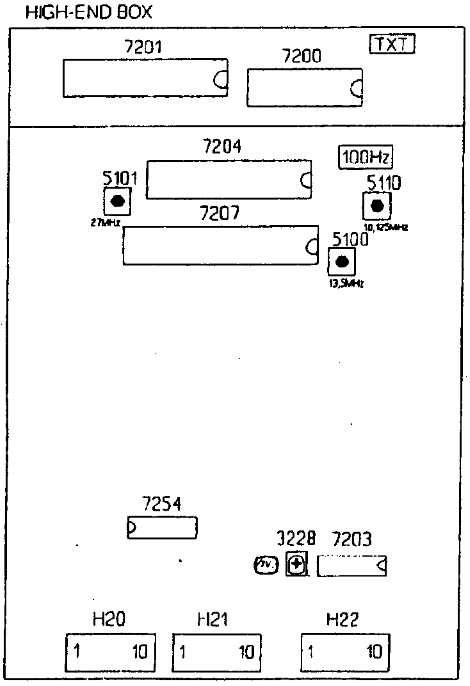

HIGH-END BOX
7201
7200
TXT
7204
100Hz
5101
5110
27MHz
7207
10,125MHz
5100
13,5MHz
7254
3228
7203
H20
H21
H22
1
10
1
10
1
10

Fig. 7.5

4. Electrical settings on the ECO-NICAM decoder panel

4.1 Neutral frequency adjustment
Connect a frequency counter via a probe (Ci ≤15pF) to pin 19 of IC7001 (SAA 7280) and pin 15 (GND).
Adjust C2015 in such a manner that the clock frequency is set at 728.025 kHz. (± 5Hz)

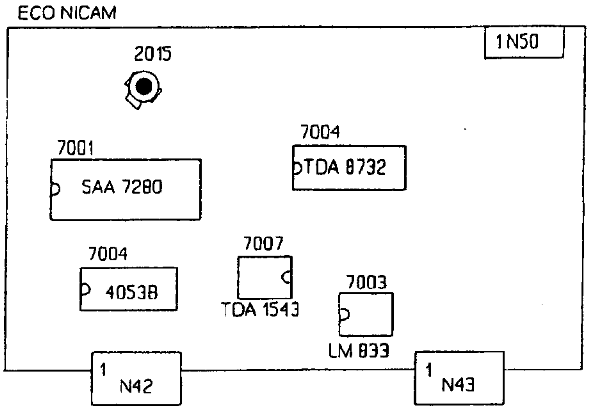

ECO NICAM
2015
1N50
7001
SAA 7280
7004
TDA 8732
7004
40538
7007
TDA 1543
7003
LM 833
1
N42
1
N43

Fig. 7.6

5. Y/C detector adjustment

PAL/SECAM
Inject a chroma signal of 4.418 MHz/200mV on pi 15 of EXT2 SCART (PL05).
Connect an oscilloscope to the collector of T7266 (T7). Using L5201 adjust the 4.418 MHz signal to maximum amplitude.

NTSC
As PAL/SECAM but with a signal of 3.582 MHz/200mV. Adjust with L5200.

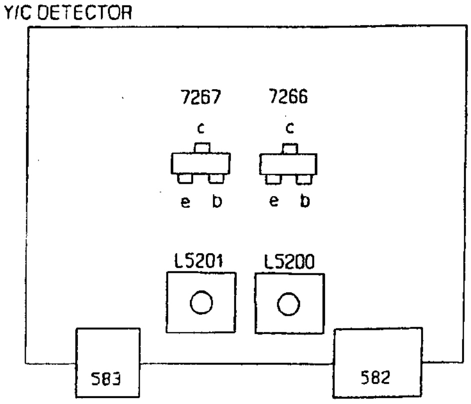

Y/C DETECTOR
7267
7266
c
c
e b
e b
L5201
L5200
583
582

Fig. 7.7

6. Electrical settings on the PIP panel

Before carrying out each setting, it should be ensured that a P.I.P. picture with colour bar is visible on the screen and the unit should have reached its operating temperature (after ≈ 20 min.).

6.1 Horizontal synchronisation

Supply an aerial or generator signal.
Connect pin 28-IC7125 to pin 13-IC7125.
Connect pin 5-IC7755 to earth.
Measure the frequency on pin 17-IC7755 and set this to 15,625 Hz ± 25 Hz with R3239.
Remove the short circuits.

6.2 AGC

If the picture from a strong local transmitter is distorted, adjust 3160 until the picture is not distorted.

6.3a Setting for PIP modules with TDA4510

a-1 *Chroma bandpass filter*
Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.43 MHz/0.2Vpp.
Connect an oscilloscope to pin 9-IC7126.
Set L5118 to maximum amplitude.

a-2 *PAL chroma auxiliary oscillator*
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7126 (TDA4510) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

a-3 *The delayline*
Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7126 (TDA4510). Connect the Y-input of the oscilloscope to 2-IC7126 (TDA4510). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

6.3b Setting for PIP modules with TDA4554

b-1 *Chroma bandpass filter*
Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.286 MHz/0.2 Vpp.
Connect pin 27-IC7125 to 13-IC7125. Connect an oscilloscope to pin 15-IC7125.
Set L5118 to maximum amplitude.
Remove the interconnection.

b-2 *PAL chroma auxiliary oscillator*
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7125 (TDA4554) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-3 *NTSC chroma auxiliary oscillator*
Connect a pattern generator and supply an NTSC M colour bar pattern. Connect pin 17-IC7125 to earth. Set C2212 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-4 *The delay line*
Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7125 (TDA4554). Connect the Y-input of the oscilloscope to pin 3-IC7125 (TDA4554). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

b-5 *SECAM identification*
Connect a pattern generator and supply a SECAM colour bar signal.
Connect pin 27-IC7125 to pin 13-IC7125.
Connect an oscilloscope to pin 21-IC7125.
Adjust L5190 to maximum DC level.
Remove the interconnection.

b-6 *SECAM demodulators*
Connect a pattern generator and supply a SECAM signal without contents (black). Connect pin 27-IC7125 to pin 13-IC7125. Connect an oscilloscope to pin 1-IC7125. Using L5175, set the DC level during the scan equal to the DC level during the flyback.
In the same way set L5170, but now measure at pin 3-IC7125.
Remove the interconnection.

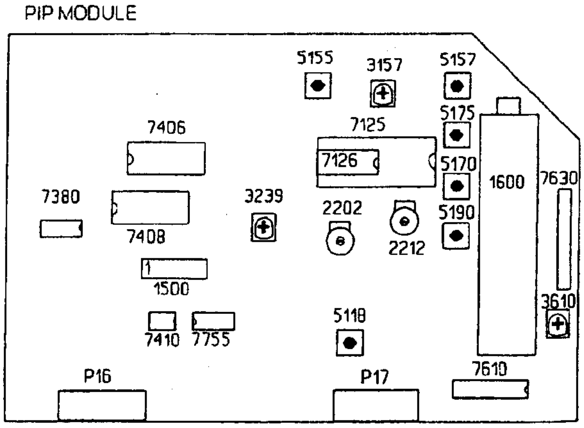


Fig. 7.8

7. Adjustments in the service menu

Switch in the service menu by connecting pins S23 and S24 on the small-signal panel briefly with each other (see section 9).
In the Service Mode the following menu appears in the picture:

SERVICE YY-MM-DD
a option 1 xxx
b option 2 xxx
c green xxx
d blue xxx

In this menu "YY-MM-DD" is the release date of the software which is present in the set. The desired adjustment can be selected with the aid of menu keys a, b or c on the remote control.
When the "PP store" key on the local keyboard is pressed, the adjusted values are stored in the memory and the Service Mode is left.

7.1 White balance

Connect a pattern generator and choose a white picture.

- Select c (green) or d (blue)
- Using P +/- adjust the values of green ("GREEN") and blue ("BLUE") until the desired white balance has been reached.
- Store the selected value by pressing the "PP store" key on the local keyboard.

7.2 Options

The control unit used in this set has been prepared for operation of all the functions possible with this set. For correct operation, however, the control unit has to "know" the functions/features located in the set. This is done with a so-called option code.

A number is allocated to each function. The possible functions are shown with their respective numbers in the tables alongside.

Optioncode 1
The numbers of the functions shown in the table have to be added to each other. The total forms the number for option code 1.

For example, a set has:

Function	*Number*
Front-end FQ618/ME/IF	2
A PIP module	8
	— +
Optioncode 1 now becomes	10

Option code 2
The number of the functions shown in the table have to be added to each other. The total forms the number for option code 2.

For example, a set has:

Function	*Number*
IC7175 present on SSP	1
100 Hz high-end box	4
	--- +
Option code 2 now becomes	5

The option codes are set as follows:

- Select a: option 1 or b: option 2
- Using P +/- set the desired option number.
- Store the value chosen by pressing the "**PP store**" key on the local keyboard.

These option codes are software adaptations. If the set has to be equipped for these features, the necessary hardware has also to be fitted.

Optioncode 1

Nbr.	Function
0	**Front end = FQ816/IF** A reception of PAL BG or PAL BG and SECAM BG is now possible.
1	**Front end = FQ844** Only reception of the UHF band is now possible.
2	**Front end = FQ816/ME/IF** Reception of SECAM L but not of SECAM L' is now possible (reception of NTSC-M is now usually also possible).
4	**Front end = FQ816/MF/IF** Reception of both SECAM L and SECAM L' is now possible (NTSC M reception is generally possible now via the Euroconnector).
8	**PIP module fitted** This makes it possible to show PIP (Picture In Picture) displays.
16	**NTSC-M reception possible** This is normally always in combination with front end FQ816/ME/IF or FQ816/MF/IF.
32	**SECAM DK module fitted** In this case transmissions using the SECAM DK system can also be received.
64	**NICAM module fitted** In this case the digital sound with NICAM transmission can be received.
128	**Second front end for PIP fitted** If this second front end is fitted a second transmitter can be displayed in the PIP picture. The PIP function (number 8) still applies.

Optioncode 2

Nbr.	Function
1	**IC7175 present on SSP** Applicable in case IC7175 (PCF8574) is present on the SSP (this is the case in all FL1.1 AC sets).
4	**100 Hz High-end box fitted** This will always be the case.
32	**NICAM module present** In this case the digital sound broadcast in NICAM transmissions can also be received (see further the number 64 of option code 1).

Repair tips

1. The Service Default Mode

The FL1.1 is equipped with a service default mode. The service default mode is a fixed, definite state to which the set can be switched.

1.1 Definition state

The definition of the fixed state in the service default mode is as follows:

- all sound and picture controls are in the central position (exception volume which is turned down)
- tuned to 475.25 MHz
- system:
  - * PAL/SECAM BG for Multi Europe
  - * PAL I for UK
  - * SECAM L for Multi French

1.2 Switch on and off

The service default mode is switched on by shorting pins S24 and S25 on the small signal panel.

The service default mode can only be switched off by switching the set to stand-by. If the set is switched off and then on again using the mains switch or the mains plug, the service default mode will remain on.

If the set switches to stand-by immediately after switching-on, the set cannot be operated and also cannot be switched to the service default mode. The child-proof lock has already been activated.
To deactivate the child-proof lock the following series of commands has to be given using the remote control (see also Section 9):
<MENU>-<BLUE>-<RED>-<MENU+>-<MENU OFF>

1.3 Fault signals

To indicate that the set is in the service default mode, the following is displayed on the screen:

SERVICE 00 00 05 06 05

The five numbers after the word "service" stand for the last five fault signals noted by the operator(s). The number on the extreme right represents the last fault signal, that on the extreme left the last fault signal but 4.
Since this enables fault reports to be looked at afterward, it means that intermittent faults can be traced.
When the set leaves the service default mode, the fault-report memory is cleared.

1.4 Operation

During the service default mode the set will accept all operating commands. When, however, the set is switched off and on, it will return to the state as defined above.

2. Software protection

If it is observed by the control that the front end has ceased to give an I²C response, or that IC7430, IC7600 and also IC 7680 are no longer giving any response, the set will switch to the protection mode since it will be assumed that the +5 V or the +13 V power-supply voltage is absent. This software protection device consists of a fault signal (LEDs ⏻ ✻ ∞, code99) and the switching of the set to stand-by. To enable the fault to be traced, the set has now to be switched to the service default mode. The software protection system is then switched out of circuit.

3. Replacement of EEPROM IC7137

If, during a repair, the EEPROM has to be replaced, the microprocessor will detect that the EEPROM is empty. A fault signal (No. 21) will then be displayed.
If the service mode is now activated (see section 7), the microprocessor will load the EEPROM with a number of standard values for the white balance and the other linear settings. These values, however, must all be checked and, if necessary, re-adjusted.
All options have also to be set, the programs installed and the personal preference set.

Faultfindingtree

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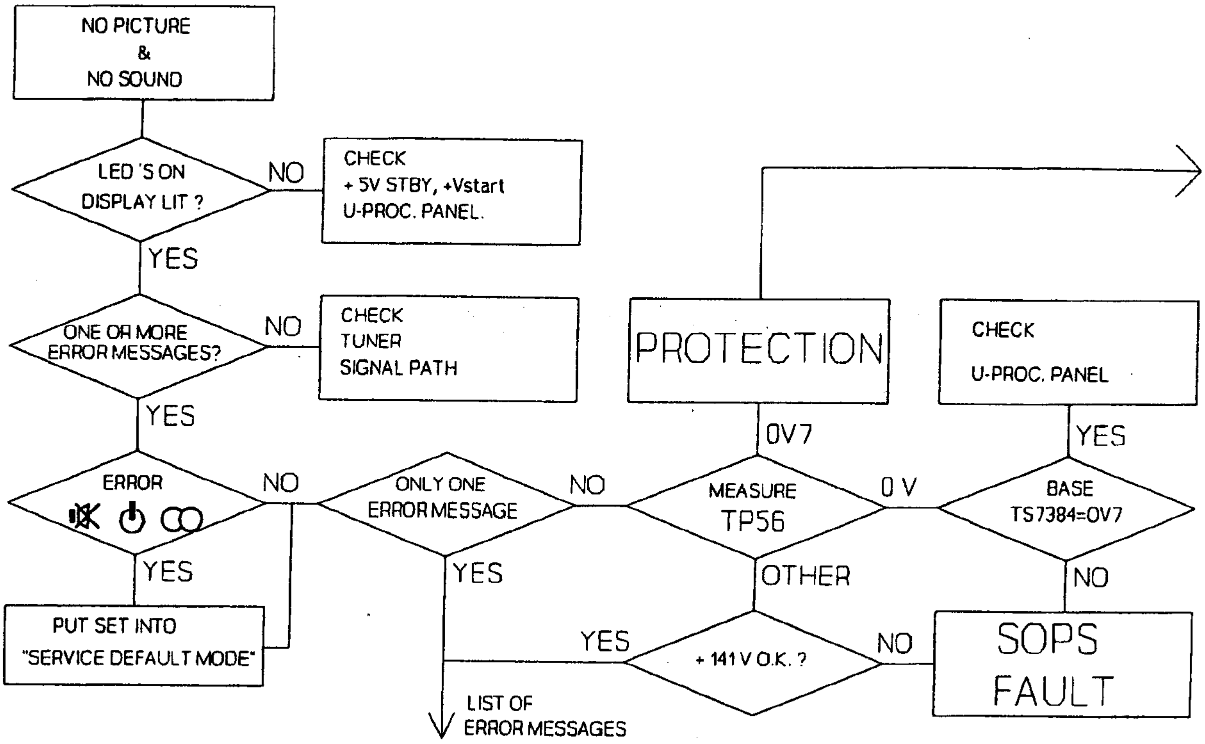
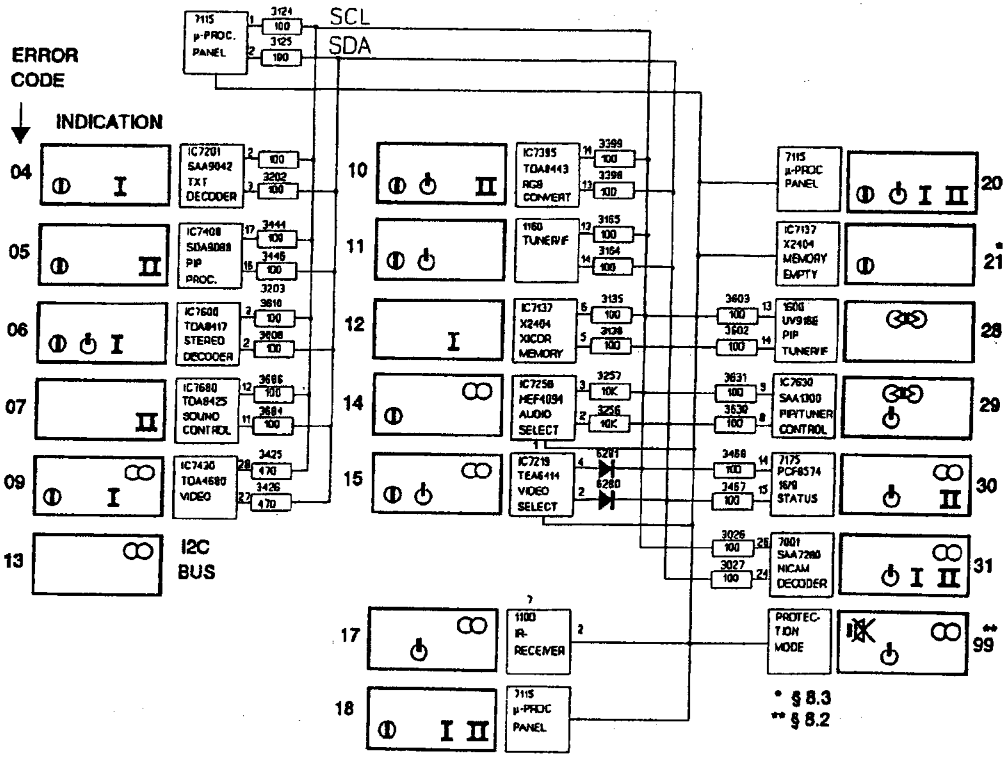
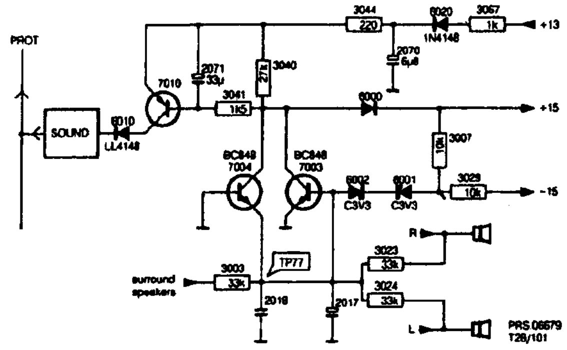

NO PICTURE & NO SOUND
LED 'S ON DISPLAY LIT ?
NO
CHECK + 5V STBY, +Vstart U-PROC. PANEL.
YES
ONE OR MORE ERROR MESSAGES?
NO
CHECK TUNER SIGNAL PATH
YES
ERROR
NO
YES
PUT SET INTO "SERVICE DEFAULT MODE"
ONLY ONE ERROR MESSAGE
NO
YES
LIST OF ERROR MESSAGES
PROTECTION
0V7
MEASURE TP56
0 V
OTHER
+ 141 V O.K. ?
YES
NO
SOPS FAULT
CHECK U-PROC. PANEL
YES
BASE TS7384=0V7
NO

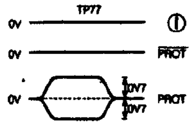
List of error messages

I²C Blockdiagram

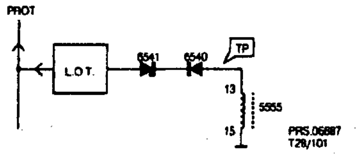

ERROR CODE
INDICATION
SCL
SDA
7115 µ-PROC. PANEL
3124 100
3125 100
04
IC7201 SAA5042 TXT DECODER
3202 100
05
IC7408 SDA9088 PIP PROC.
3444 100
3446 100
06
IC7600 TDA8417 STEREO DECODER
3203
3610 100
3608 100
07
IC7680 TDA8425 SOUND CONTROL
3686 100
3684 100
09
IC7430 TDA4680 VIDEO
3425 470
3426 470
13
I2C BUS
10
IC7395 TDA8443 RGB CONVERT
3399 100
3398 100
11
1160 TUNER/F
3165 100
3164 100
12
IC7137 X2404 XICOR MEMORY
3135 100
3136 100
14
IC7258 HEF4094 AUDIO SELECT
3257 10K
3256 10K
15
IC7219 TEA6414 VIDEO SELECT
6281
6280
17
1100 IR-RECEIVER
18
7115 µ-PROC PANEL
7115 µ-PROC PANEL
20
IC7137 X2404 MEMORY EMPTY
21
3603 100
3602 100
1500 UV916E PIP TUNER/F
28
3631 100
3630 100
IC7630 SAA1300 PIP/TUNER CONTROL
29
3468 100
3467 100
7175 PCF8574 16/9 STATUS
30
3026 100
3027 100
7001 SAA7280 NICAM DECODER
31
PROTECTION MODE
99
* § 8.3
** § 8.2

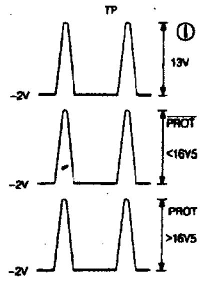
Protection

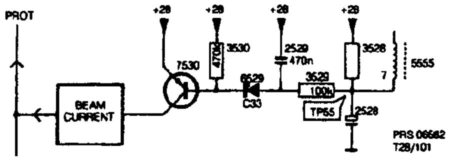

PROT
SOUND
6010
LL4148
7010
2071
33µ
3041
1k5
3040
27k
3044
220
6020
1N4148
3067
1k
+13
2070
6µ8
6000
+15
3007
10k
BC848
7004
BC848
7003
6002
C3V3
6001
C3V3
3029
10k
-15
R
3023
33k
3024
33k
L
TP77
3003
33k
surround speakers
2018
2017
PRS 06679
T28/101



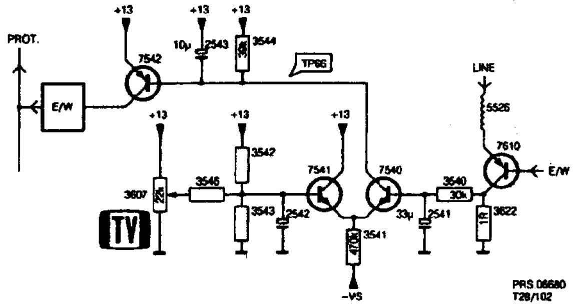
EHT

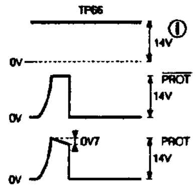

PROT
L.O.T.
6541
6540
TP
13
15
5555
PRS.06687
T28/101

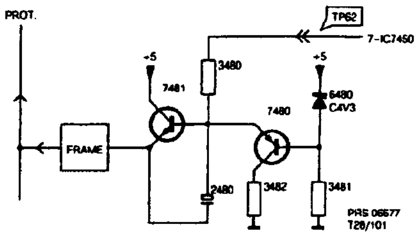


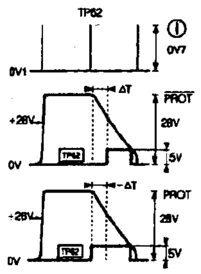

PROT
BEAM CURRENT
+28
+28
+28
+28
7530
3530
470k
6529
C33
2529
470n
3529
100k
TP55
3528
2528
7
5555
PRS 06682
T28/101

$\overline{PROT}$
PROT

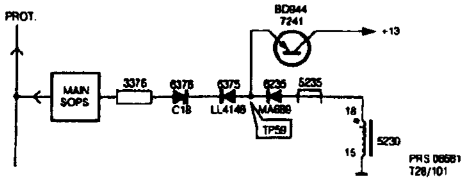

PROT.
E/W
+13
7542
+13
10µ
2543
+13
3544
TP66
LINE
5526
7610
E/W
+13
+13
+13
3607
22k
3546
3542
3543
2542
7541
7540
3541
470k
-VS
33µ
2541
3540
30k
3622
1R
TV
PRS 06680
T28/102

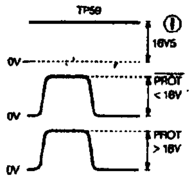



PROT.
TP62
7-IC7450
+5
3480
7481
+5
6480
C4V3
7480
FRAME
2480
3482
3481
PRS 06677
T28/101



+V


PROT.
BD944
7241
+13
MAIN SOPS
3376
6376
C18
6375
LL4148
6235
MA689
5235
TP59
18
15
5230
PRS 06681
T28/101



4. S
D

4.1 G
a. O:
sc
b. A\
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di
hu
Tr
m
c. Rc
m
ci
sh
m
he
cc
Ne
ca
Sl
su

4.2 R
a. He
th
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Caution
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4. Servicing of SMDs (Surface Mounted Devices)

4.1 General cautions on handling and storage

a. Oxidation on the terminals of SMDs results in poor soldering. Do not handle SMDs with bare hands.

b. Avoid using storage places that are sensitive to oxidation such as places with sulphur or chlorine gas, direct sunlight, high temperatures or a high degree of humidity.
The capacitance or resistance value of the SMDs may be affected by this.

c. Rough handling of circuit boards containing SMDs may cause damage to the components as well as the circuit boards. Circuit boards containing SMDs should never be bent or flexed. Different circuit board materials expand and contract at different rates when heated or cooled and the components and/or solder connections may be damaged due to the stress. Never rub or scrape chip components as this may cause the value of the component to change. Similarly, do not slide the circuit board across any surface.

4.2 Removal of SMDs

a. Heat the solder (for 2-3 seconds) at each terminal of the chip. By means of litz wire and a slight horizontal force, small components can be removed with the soldering iron. They can also be removed with a solder sucker (see Fig. 8.1A) or:

b. While holding the SMD with a pair of tweezers, take it off gently using the soldering iron's heat applied to each terminal (see Fig. 8.1B).

c. Remove the excess solder on the solder lands by means of litz wire or a solder sucker (see Fig. 8.1C).

Caution on removal:

a. When handling the soldering iron, use suitable pressure and be careful.

b. When removing the chip, do not use undue force with the pair of tweezers.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. The chip, once removed, must never be reused.

4.3 Attachment of SMDs

a. Locate the SMD on the solder lands by means of tweezers and solder the component on one side. Ensure that the component is positioned correctly on the solder lands (see Fig. 8.2A).

b. Next complete the soldering of the terminals of the component (see Fig. 8.2B).

Caution when attaching SMDs:

a. When soldering the SMD terminals, do not touch them directly with the soldering iron. The soldering should be done as quickly as possible; care must be taken to avoid damage to the terminals of the SMDs themselves.

b. Keep the SMD's body in contact with the printed board when soldering.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. Soldering should not be done outside the solder land.

e. Soldering flux (of rosin) may be used, but should not be acidic.

f. After soldering, let the SMD cool down gradually at room temperature.

g. The quantity of solder must be proportional to the size of the solder land. If the quantity is too great, the SMD might crack or the solder lands might be torn loose from the printed board (see Fig. 8.3).

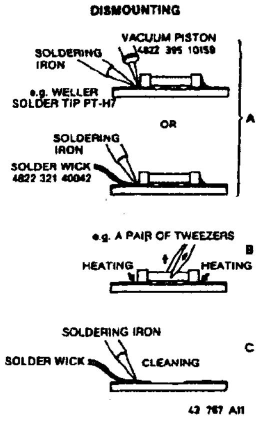

DISMOUNTING
VACUUM PISTON
4822 395 10159
SOLDERING IRON
e.g. WELLER SOLDER TIP PT-H7
OR
SOLDERING IRON
SOLDER WICK
4822 321 40042
A
e.g. A PAIR OF TWEEZERS
B
HEATING
HEATING
SOLDERING IRON
C
SOLDER WICK
CLEANING
43 767 A11

Fig. 8.1

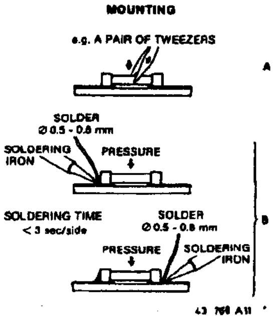

MOUNTING
e.g. A PAIR OF TWEEZERS
A
SOLDER
Ø 0.5 - 0.8 mm
SOLDERING IRON
PRESSURE
SOLDERING TIME
< 3 sec/side
SOLDER
Ø 0.5 - 0.8 mm
B
PRESSURE
SOLDERING IRON
43 768 A11

Fig. 8.2

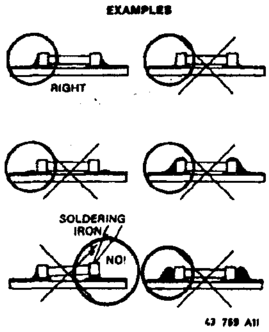
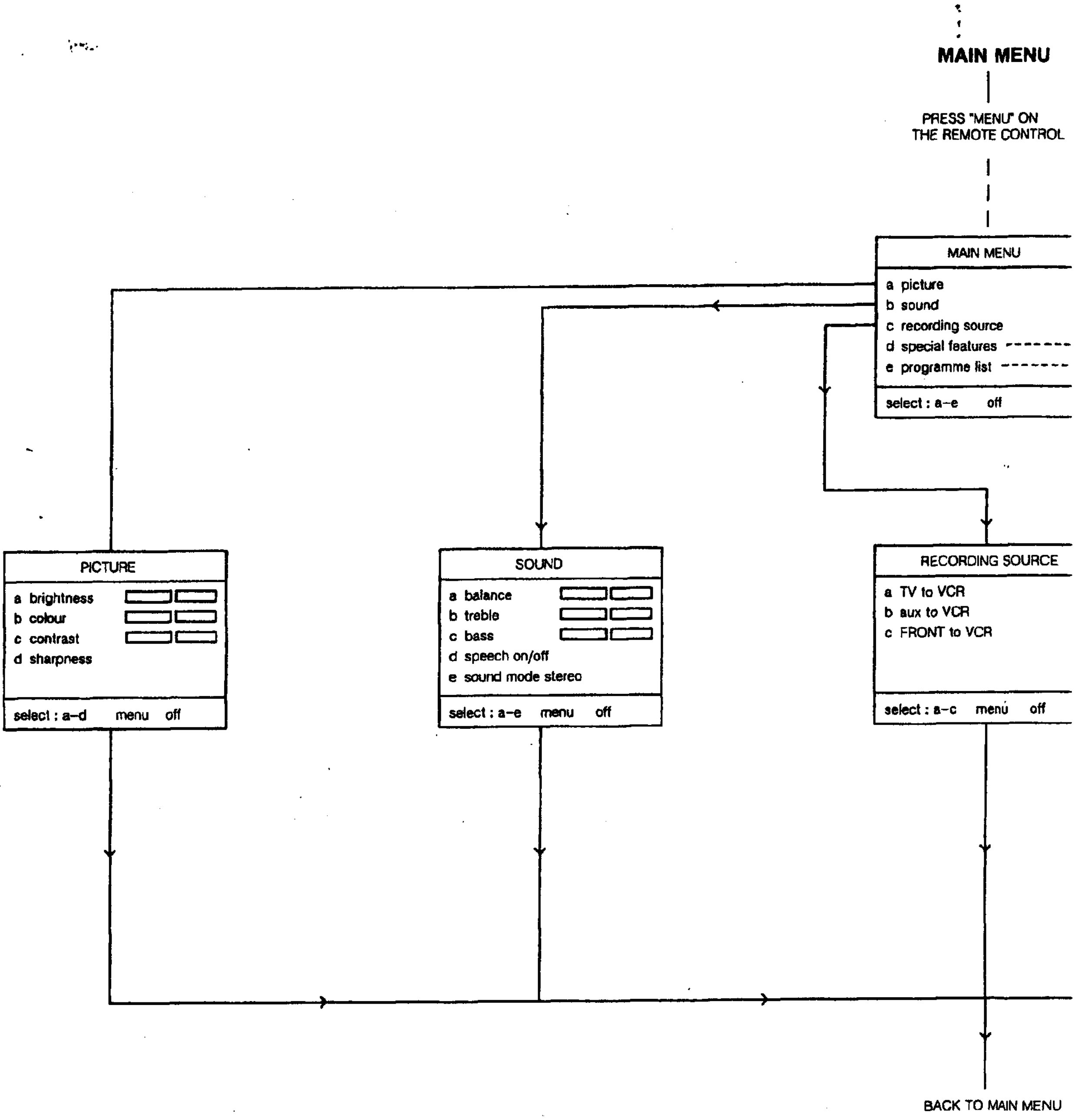
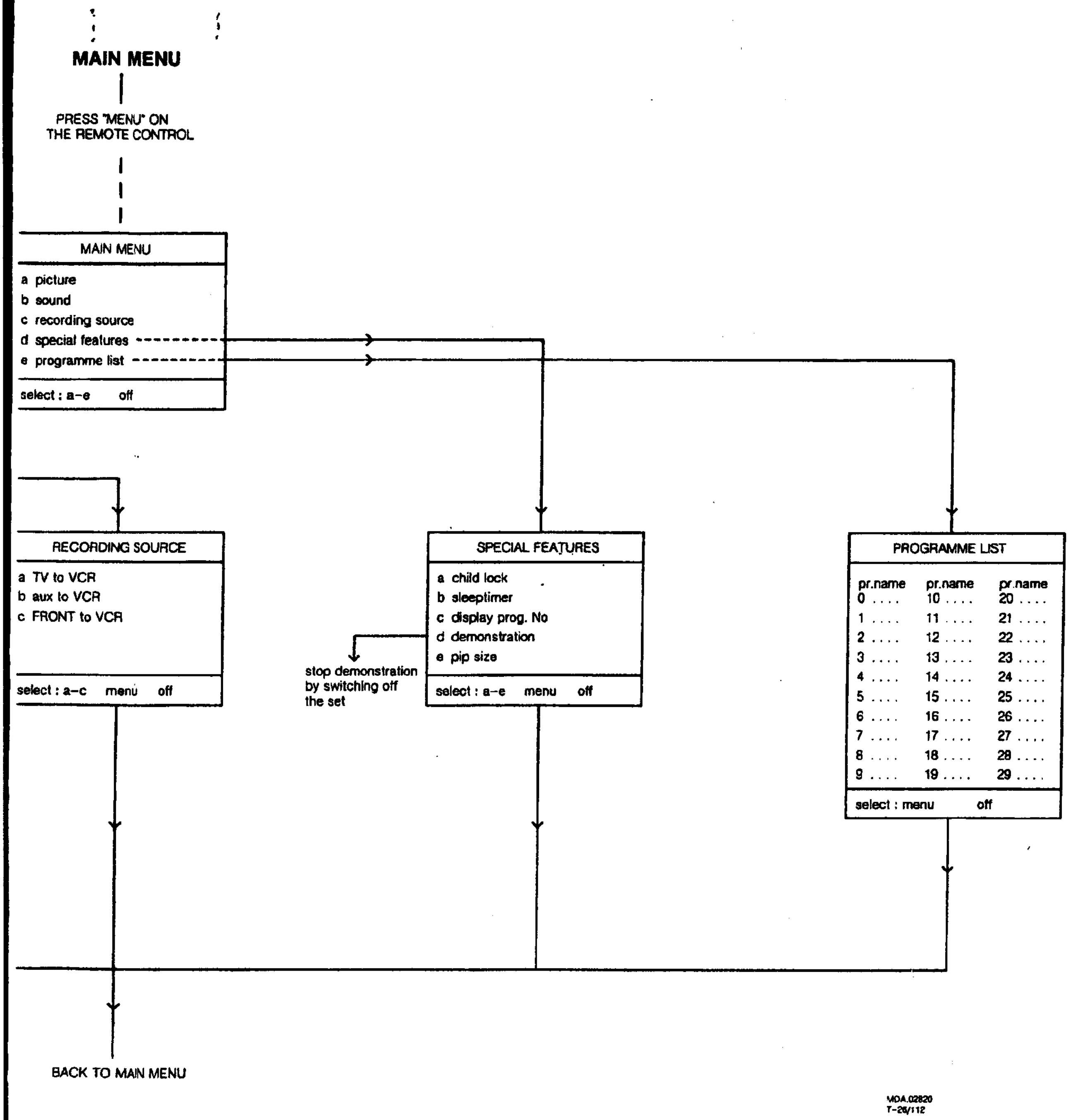

EXAMPLES
RIGHT
SOLDERING IRON
NO!
43 769 A11

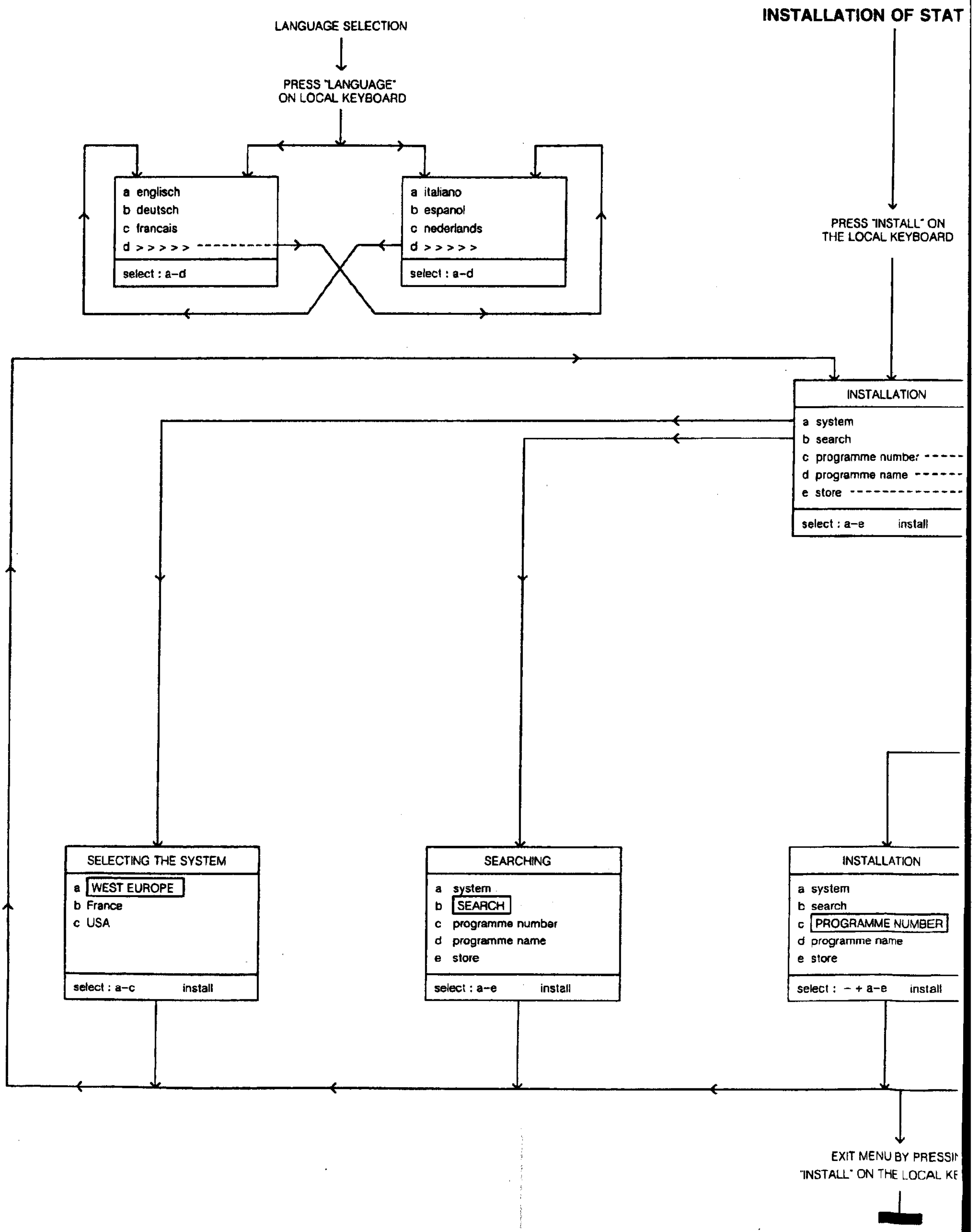
Fig. 8.3

Survey of menus FL1.1

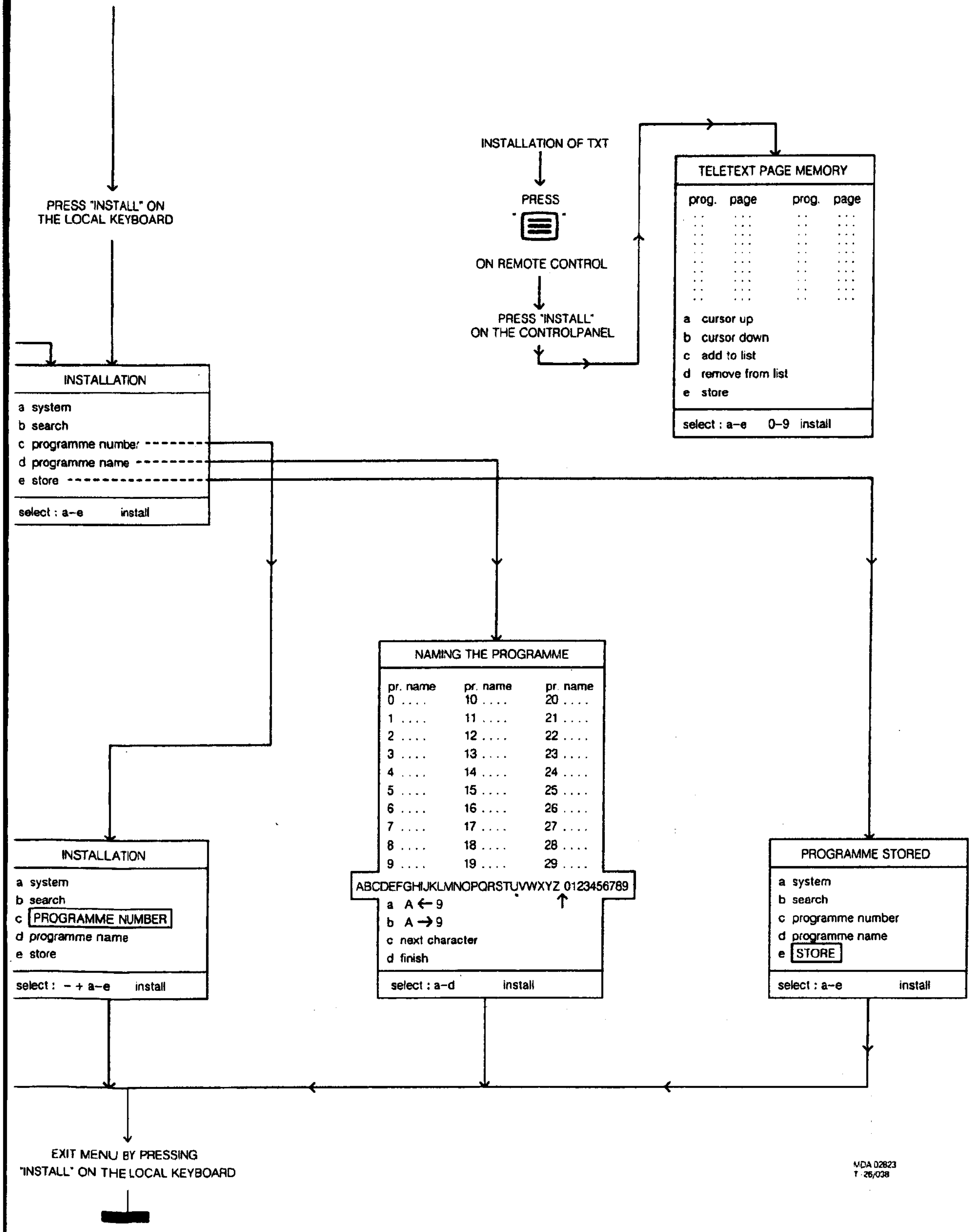

MAIN MENU
PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
a picture
b sound
c recording source
d special features
e programme list
select : a–e off
PICTURE
a brightness
b colour
c contrast
d sharpness
select : a–d menu off
SOUND
a balance
b treble
c bass
d speech on/off
e sound mode stereo
select : a–e menu off
RECORDING SOURCE
a TV to VCR
b aux to VCR
c FRONT to VCR
select : a–c menu off
BACK TO MAIN MENU


MAIN MENU
PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
a picture
b sound
c recording source
d special features
e programme list
select : a–e off
RECORDING SOURCE
a TV to VCR
b aux to VCR
c FRONT to VCR
select : a–c menu off
SPECIAL FEATURES
a child lock
b sleeptimer
c display prog. No
d demonstration
e pip size
select : a–e menu off
stop demonstration by switching off the set
PROGRAMME LIST
pr.name pr.name pr.name
0 .... 10 .... 20 ....
1 .... 11 .... 21 ....
2 .... 12 .... 22 ....
3 .... 13 .... 23 ....
4 .... 14 .... 24 ....
5 .... 15 .... 25 ....
6 .... 16 .... 26 ....
7 .... 17 .... 27 ....
8 .... 18 .... 28 ....
9 .... 19 .... 29 ....
select : menu off
BACK TO MAIN MENU
MOA.02820
T-26/112

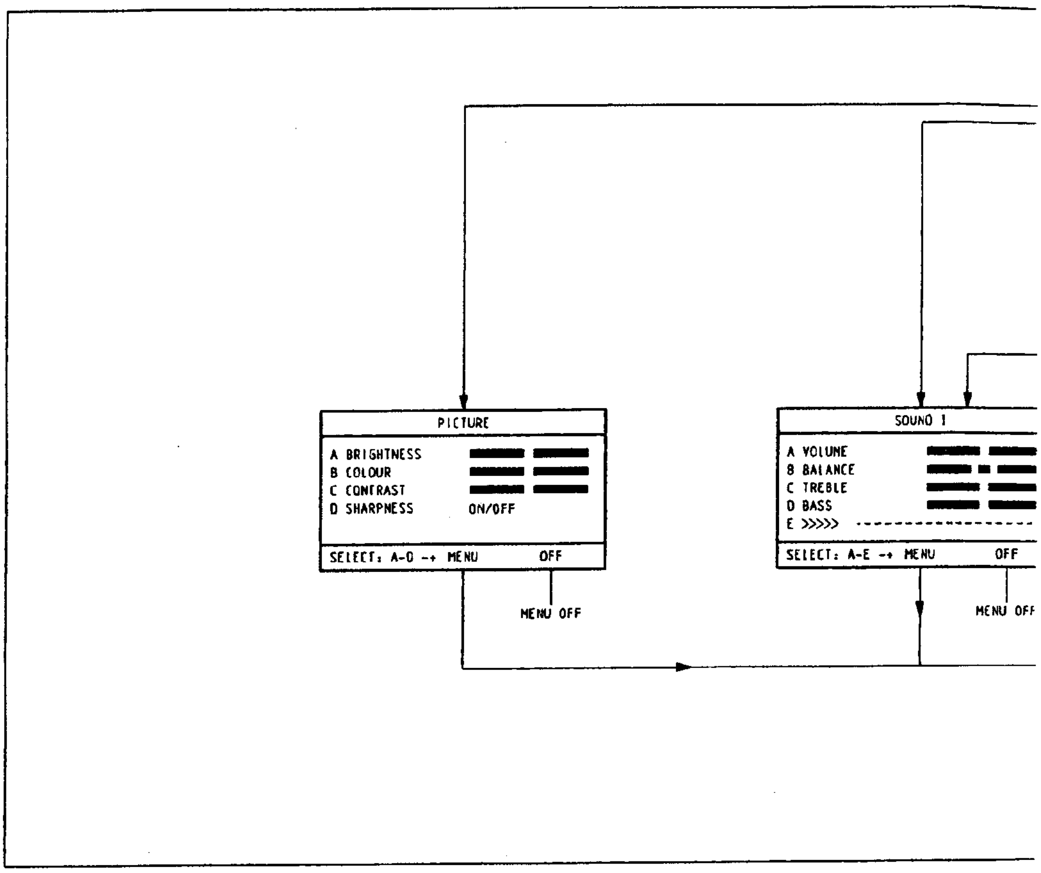
Survey of menus FL1.1

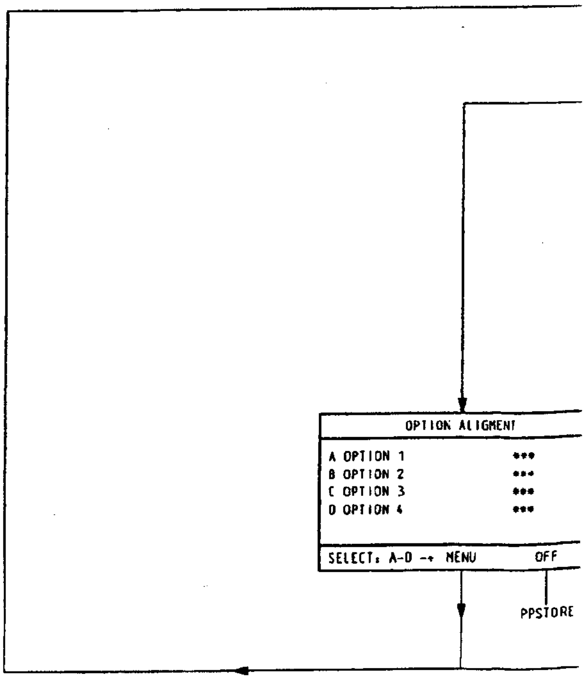

LANGUAGE SELECTION
PRESS "LANGUAGE" ON LOCAL KEYBOARD
a englisch
b deutsch
c francais
d > > > > >
select : a–d
a italiano
b espanol
c nederlands
d > > > > >
select : a–d
INSTALLATION OF STAT
PRESS "INSTALL" ON THE LOCAL KEYBOARD
INSTALLATION
a system
b search
c programme number
d programme name
e store
select : a–e install
SELECTING THE SYSTEM
a WEST EUROPE
b France
c USA
select : a–c install
SEARCHING
a system
b SEARCH
c programme number
d programme name
e store
select : a–e install
INSTALLATION
a system
b search
c PROGRAMME NUMBER
d programme name
e store
select : – + a–e install
EXIT MENU BY PRESSI
"INSTALL" ON THE LOCAL KE

ALLATION OF STATIONS


PRESS "INSTALL" ON THE LOCAL KEYBOARD
INSTALLATION
a system
b search
c programme number
d programme name
e store
select : a–e install
INSTALLATION OF TXT
PRESS
ON REMOTE CONTROL
PRESS "INSTALL" ON THE CONTROLPANEL
TELETEXT PAGE MEMORY
prog. page prog. page
a cursor up
b cursor down
c add to list
d remove from list
e store
select : a–e 0–9 install
NAMING THE PROGRAMME
pr. name pr. name pr. name
0 .... 10 .... 20 ....
1 .... 11 .... 21 ....
2 .... 12 .... 22 ....
3 .... 13 .... 23 ....
4 .... 14 .... 24 ....
5 .... 15 .... 25 ....
6 .... 16 .... 26 ....
7 .... 17 .... 27 ....
8 .... 18 .... 28 ....
9 .... 19 .... 29 ....
ABCDEFGHIJKLMNOPQRSTUVWXYZ 0123456789
a A ← 9
b A → 9
c next character
d finish
select : a–d install
INSTALLATION
a system
b search
c PROGRAMME NUMBER
d programme name
e store
select : – + a–e install
PROGRAMME STORED
a system
b search
c programme number
d programme name
e STORE
select : a–e install
EXIT MENU BY PRESSING "INSTALL" ON THE LOCAL KEYBOARD
MDA 02823
T 26/038

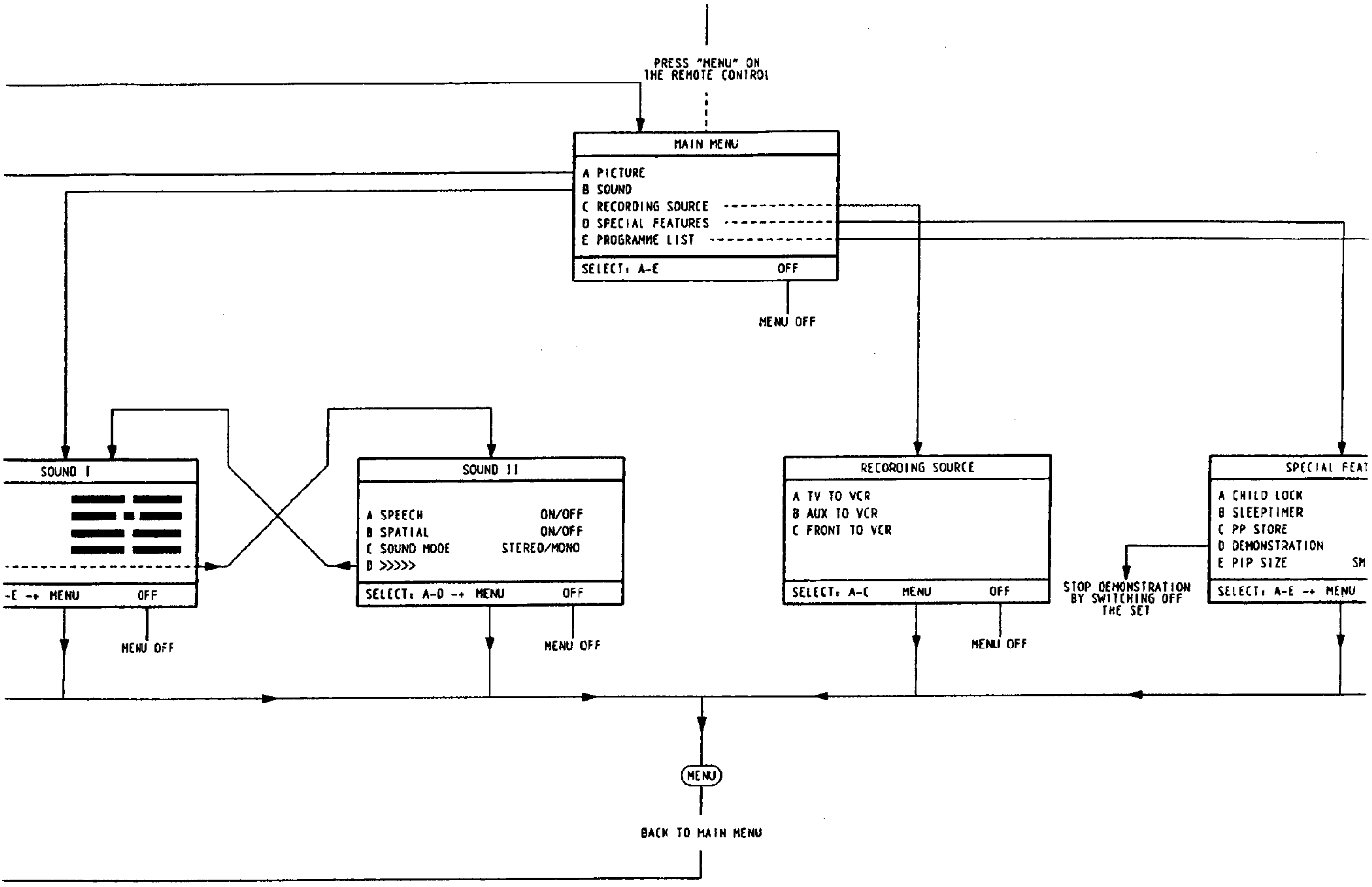
Survey of menus FL1.7


PICTURE
A BRIGHTNESS
B COLOUR
C CONTRAST
D SHARPNESS ON/OFF
SELECT: A-D → MENU OFF
MENU OFF
SOUND 1
A VOLUME
B BALANCE
C TREBLE
D BASS
E >>>>>
SELECT: A-E → MENU OFF
MENU OFF

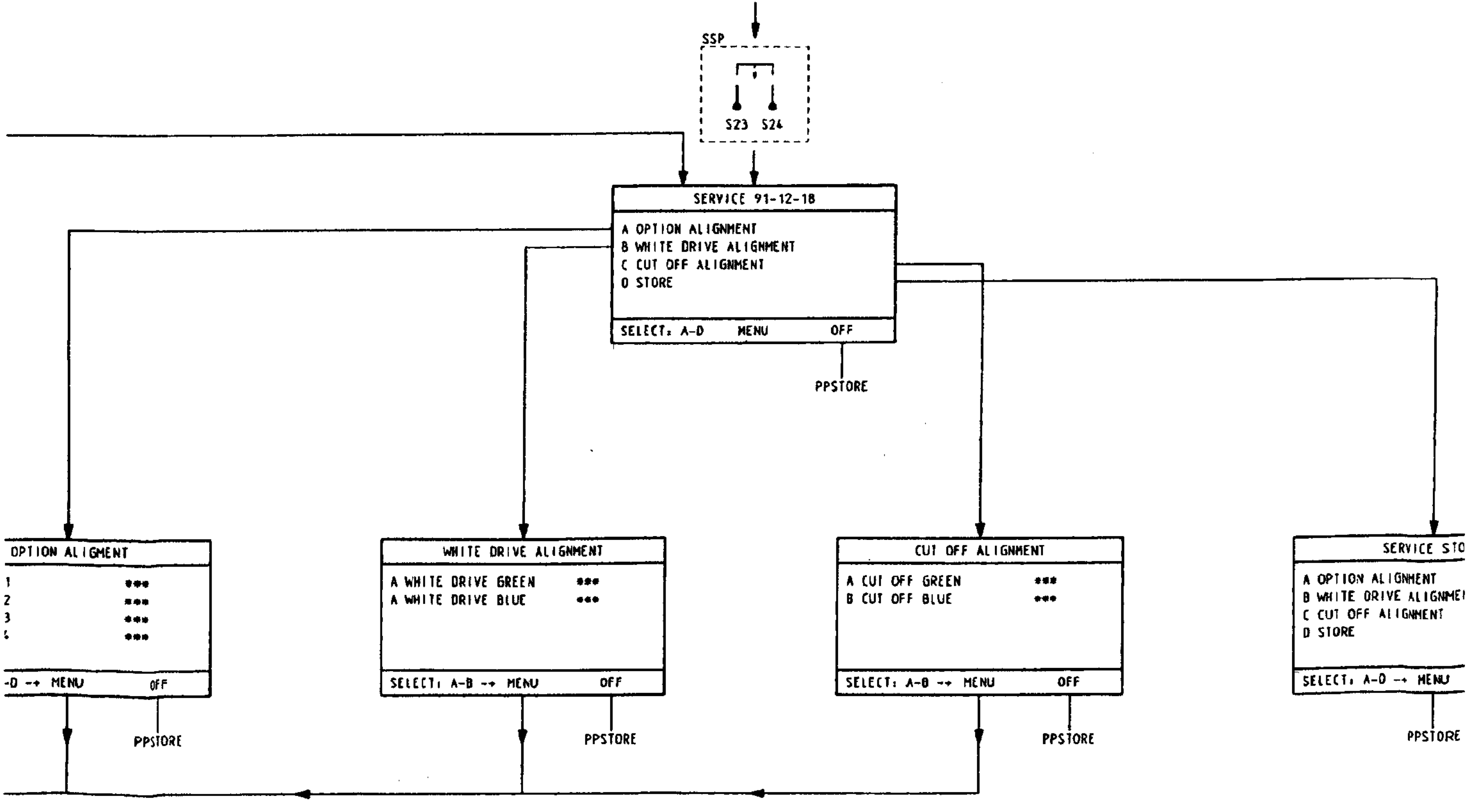

OPTION ALIGMENT
A OPTION 1 ***
B OPTION 2 ***
C OPTION 3 ***
D OPTION 4 ***
SELECT: A-D → MENU OFF
PPSTORE

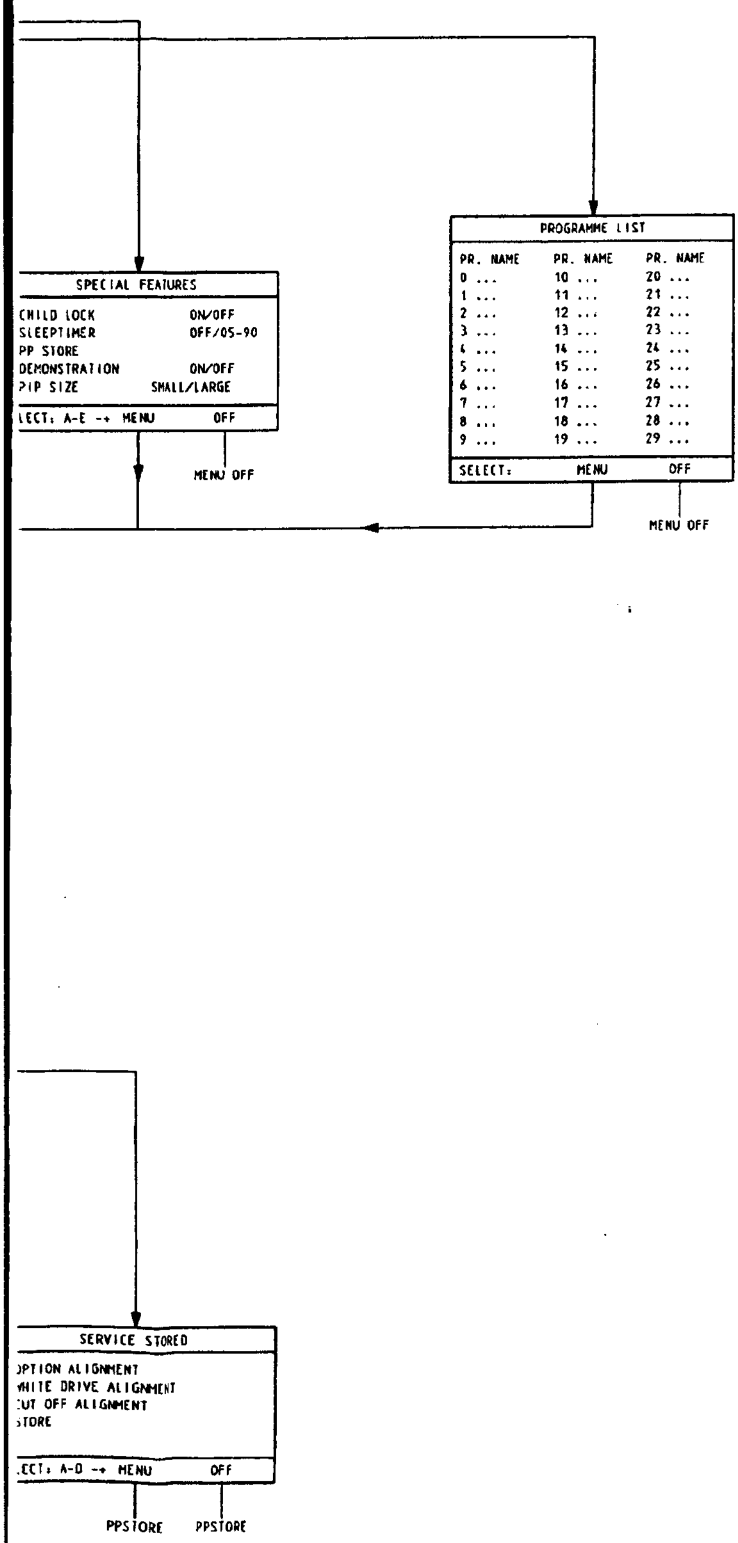
9.5 9.6 CHASSIS FL1.1

MAIN MENU

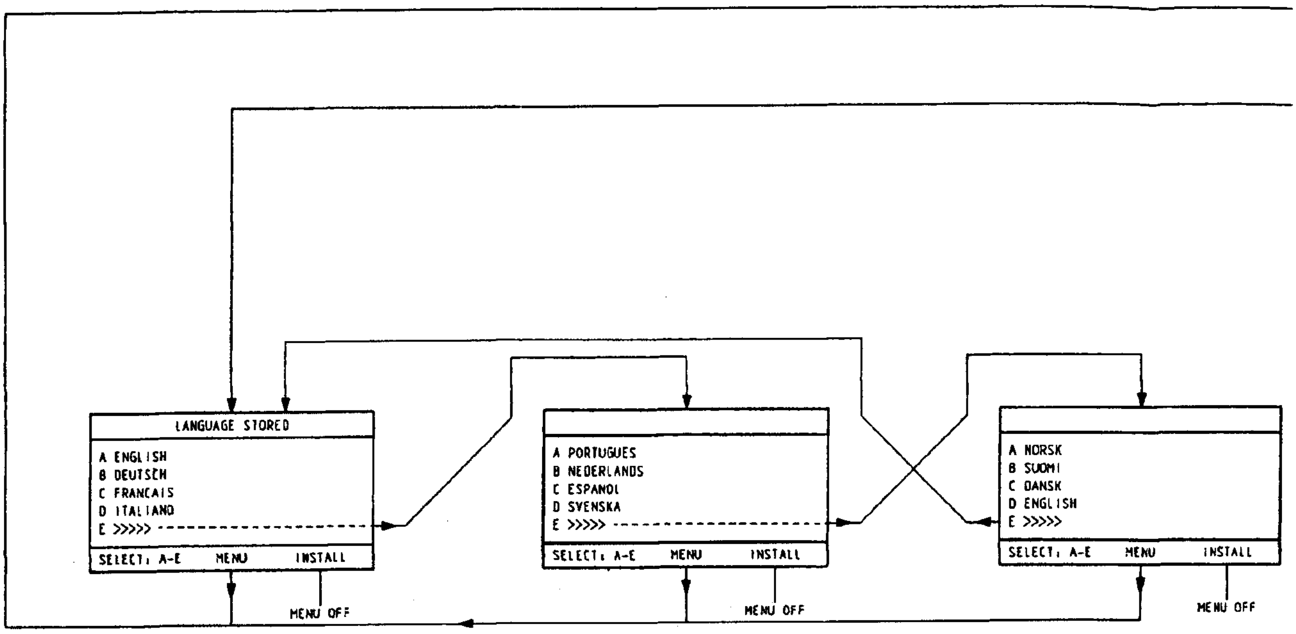

PRESS "MENU" ON
THE REMOTE CONTROL
MAIN MENU
A PICTURE
B SOUND
C RECORDING SOURCE
D SPECIAL FEATURES
E PROGRAMME LIST
SELECT: A-E
OFF
MENU OFF
SOUND I
-E → MENU
OFF
MENU OFF
SOUND II
A SPEECH ON/OFF
B SPATIAL ON/OFF
C SOUND MODE STEREO/MONO
D >>>>>
SELECT: A-D → MENU
OFF
MENU OFF
RECORDING SOURCE
A TV TO VCR
B AUX TO VCR
C FRONT TO VCR
SELECT: A-C
MENU
OFF
MENU OFF
STOP DEMONSTRATION
BY SWITCHING OFF
THE SET
SPECIAL FEAT
A CHILD LOCK
B SLEEPTIMER
C PP STORE
D DEMONSTRATION
E PIP SIZE
SM
SELECT: A-E → MENU
MENU
BACK TO MAIN MENU

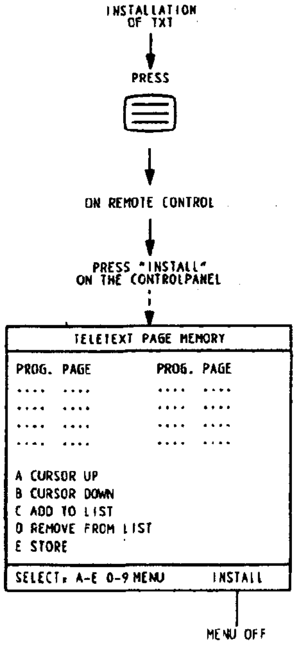
SERVICE MENU


SSP
S23
S24
SERVICE 91-12-18
A OPTION ALIGNMENT
B WHITE DRIVE ALIGNMENT
C CUT OFF ALIGNMENT
D STORE
SELECT: A-D
MENU
OFF
PPSTORE
OPTION ALIGMENT
1 ***
2 ***
3 ***
4 ***
-D → MENU
OFF
PPSTORE
WHITE DRIVE ALIGNMENT
A WHITE DRIVE GREEN ***
A WHITE DRIVE BLUE ***
SELECT: A-B → MENU
OFF
PPSTORE
CUT OFF ALIGNMENT
A CUT OFF GREEN ***
B CUT OFF BLUE ***
SELECT: A-B → MENU
OFF
PPSTORE
SERVICE STO
A OPTION ALIGNMENT
B WHITE DRIVE ALIGNME
C CUT OFF ALIGNMENT
D STORE
SELECT: A-D → MENU
PPSTORE

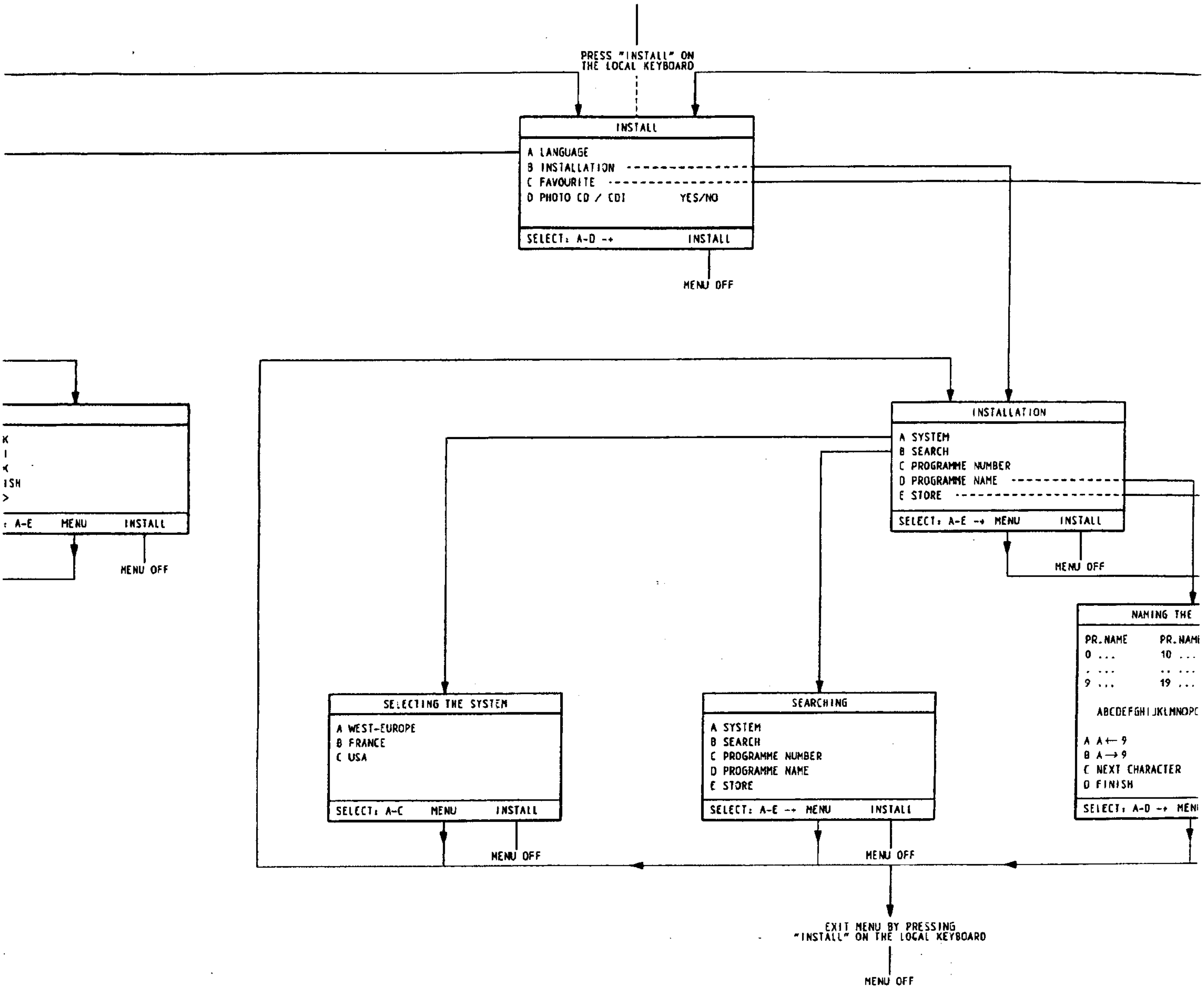

SPECIAL FEATURES
CHILD LOCK ON/OFF
SLEEPTIMER OFF/05-90
PP STORE
DEMONSTRATION ON/OFF
PIP SIZE SMALL/LARGE
LECT: A-E → MENU OFF
MENU OFF
PROGRAMME LIST
PR. NAME PR. NAME PR. NAME
0 ... 10 ... 20 ...
1 ... 11 ... 21 ...
2 ... 12 ... 22 ...
3 ... 13 ... 23 ...
4 ... 14 ... 24 ...
5 ... 15 ... 25 ...
6 ... 16 ... 26 ...
7 ... 17 ... 27 ...
8 ... 18 ... 28 ...
9 ... 19 ... 29 ...
SELECT: MENU OFF
MENU OFF
SERVICE STORED
OPTION ALIGNMENT
WHITE DRIVE ALIGNMENT
CUT OFF ALIGNMENT
STORE
LECT: A-D → MENU OFF
PPSTORE
PPSTORE

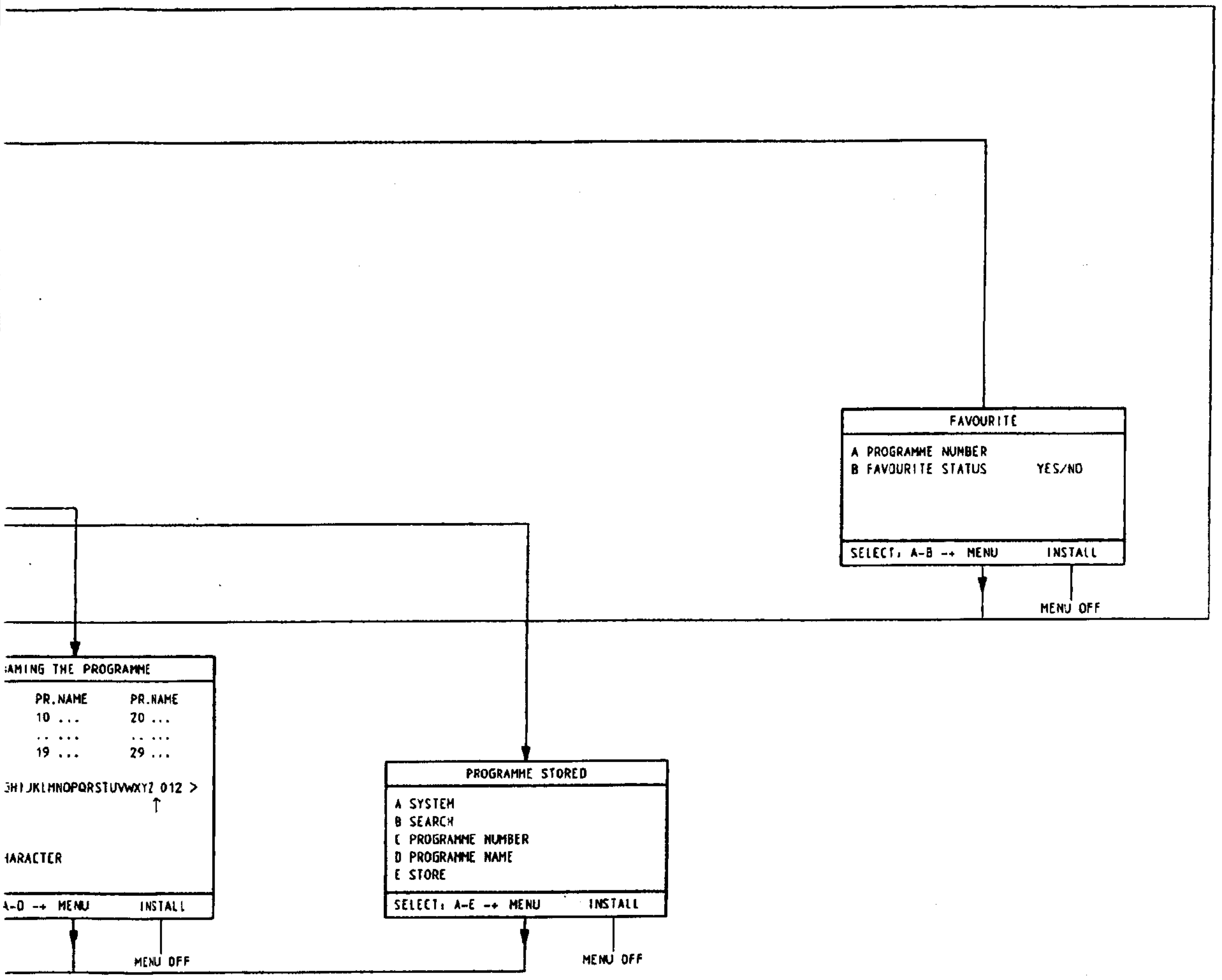
9.8 CHASSIS FL1.1 Survey of menus FL1.7


LANGUAGE STORED
A ENGLISH
B DEUTSCH
C FRANCAIS
D ITALIANO
E >>>>>
SELECT: A-E MENU INSTALL
MENU OFF
A PORTUGUES
B NEDERLANDS
C ESPANOL
D SVENSKA
E >>>>>
SELECT: A-E MENU INSTALL
MENU OFF
A NORSK
B SUOMI
C DANSK
D ENGLISH
E >>>>>
SELECT: A-E MENU INSTALL
MENU OFF


INSTALLATION OF TXT
PRESS
ON REMOTE CONTROL
PRESS "INSTALL" ON THE CONTROLPANEL
TELETEXT PAGE MEMORY
PROG. PAGE
....
....
....
....
PROG. PAGE
....
....
....
....
A CURSOR UP
B CURSOR DOWN
C ADD TO LIST
D REMOVE FROM LIST
E STORE
SELECT: A-E 0-9 MENU INSTALL
MENU OFF

INSTALLATION OF STATIONS


PRESS "INSTALL" ON THE LOCAL KEYBOARD
INSTALL
A LANGUAGE
B INSTALLATION
C FAVOURITE
D PHOTO CD / CDI YES/NO
SELECT: A-D → INSTALL
MENU OFF
K
I
K
ISH
>
: A-E MENU INSTALL
MENU OFF
INSTALLATION
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E → MENU INSTALL
MENU OFF
NAMING THE
PR.NAME PR.NAM
0 ... 10 ...
. ...
9 ... 19 ...
ABCDEFGHIJKLMNOPC
A A← 9
B A→ 9
C NEXT CHARACTER
D FINISH
SELECT: A-D → MEN
SELECTING THE SYSTEM
A WEST-EUROPE
B FRANCE
C USA
SELECT: A-C MENU INSTALL
MENU OFF
SEARCHING
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E → MENU INSTALL
MENU OFF
EXIT MENU BY PRESSING "INSTALL" ON THE LOCAL KEYBOARD
MENU OFF


FAVOURITE
A PROGRAMME NUMBER
B FAVOURITE STATUS YES/NO
SELECT: A-B -→ MENU
INSTALL
MENU OFF
AMING THE PROGRAMME
PR.NAME
10 ...
.. ...
19 ...
PR.NAME
20 ...
.. ...
29 ...
3HIJKLMNOPQRSTUVWXYZ 012 >
HARACTER
A-D -→ MENU
INSTALL
MENU OFF
PROGRAMME STORED
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E -→ MENU
INSTALL
MENU OFF

Spare parts list / Stückliste / Liste

Large signal panel A B G

Connectors

4822 265 30525	2P male grey
4822 265 20541	2P male black
4822 265 40469	6P female gold
4822 265 40472	10P female gold
4822 290 40295	7P male
4822 265 40818	8P male
4822 267 40985	6P male
4822 264 40207	3P male
4822 265 30389	2P male
4822 265 40596	2P male
4822 265 20512	2P male green
4822 267 50591	6P male gold
4822 264 50149	10P male gold

Various parts

	4822 255 40527	insulating plate
	4822 492 70143	spring 10 X 33MM
	4822 492 62076	spring fix transistor
	4822 492 70788	spring fix IC
	4822 492 70789	spring fix transistor
	4822 276 12998	mains switch
	4822 256 30274	fuse holder
	4822 290 60812	socket for ext. loudspeakers
	4822 267 20417	socket for squeeters
	4822 276 13094	switch loudsp. ON/OFF
	4822 320 11086	focus cable
	4822 320 20162	EHT cable
	4822 212 23749	SOPS CONTROL
	4822 310 61919	SOPS repair kit
1010	4822 212 23892	NTSC ASSY
1200	4822 070 33152	fuse T3,15A
1250	4822 071 52501	fuse T0,25A

⊣⊢

2000	4822 122 31773	560pF 5% 50V
2001	4822 122 31784	4,7nF 10% 50V
2002	4822 122 31784	4,7nF 10% 50V
2003	4822 126 11175	22pF 5% 50V
2004	4822 122 32142	270pF 5% 63V
2005	4822 122 32142	270pF 5% 63V
2007	4822 122 31797	22nF 10% 63V
2008	4822 122 31797	22nF 10% 63V
2009	4822 126 11175	22pF 5% 50V
2011	4822 122 31775	680pF 5% 50V
2012	4822 122 32927	220nF
2013	4822 122 32927	220nF
2015	4822 124 42109	22µF 10% 50V
2016	4822 124 42109	22µF 10% 50V
2018	4822 122 31797	22nF 10% 63V
2019	4822 122 31414	10nF 100V
2020	4822 122 31414	10nF 100V
2021	4822 122 31414	10nF 100V
2022	4822 122 31414	10nF 100V
2023	5322 122 33446	3,3nF 10% 63V
2024	5322 122 33446	3,3nF 10% 63V
2025	4822 122 10166	22nF 30% 16V
2026	4822 122 32927	220nF
2027	4822 122 32927	220nF
2028	4822 122 32927	220nF
2029	4822 122 32927	220nF
2030	4822 126 11175	22pF 5% 50V
2031	4822 126 11175	22pF 5% 50V

⊣⊢

2032	4822 122 31797	22nF 10% 63V
2033	4822 122 10166	22nF 30% 16V
2035	4822 122 31775	680pF 5% 50V
2038	4822 122 31644	2,2nF 10% 63V
2040	4822 122 32927	220nF
2041	4822 122 32927	220nF
2043	4822 122 32927	220nF
2045	4822 122 32927	220nF
2046	4822 122 32927	220nF
2047	4822 122 32927	220nF
2050	4822 124 42362	33µF 20% 16V
2051	4822 124 42362	33µF 20% 16V
2052	4822 124 42362	33µF 20% 16V
2053	4822 124 42362	33µF 20% 16V
2056	4822 122 31773	560pF 5% 50V
2057	4822 122 31773	560pF 5% 50V
2058	4822 122 31773	560pF 5% 50V
2059	4822 122 31773	560pF 5% 50V
2060	4822 122 31773	560pF 5% 50V
2061	4822 122 31773	560pF 5% 50V
2065	4822 126 11156	684nF 20%
2066	4822 126 11156	684nF 20%
2070	4822 124 40272	33µF 20% 16V
2071	4822 124 42184	33µF 20% 25V
2072	4822 124 41584	100µF 20% 10V
2073	4822 124 21212	15µF 20% 40V
2074	5322 122 31647	1nF 10% 63V
2200	4822 121 43819	680nF 10% 250V
2203	4822 121 40487	100nF 10% 400V
2210	4822 126 11141	2,2nF 10% 1kV
2211	4822 126 11141	2,2nF 10% 1kV
2214	4822 124 23492	220µF 50% 385V
2215	4822 122 33665	3,3nF 20% 125V
2216	4822 126 10202	1,5nF 10% 2kV
2230	4822 122 31784	4,7nF 10% 50V
2231	4822 126 11157	470pF 10% 500V
2232	4822 124 40738	330µF 20% 25V
2233	4822 126 11157	470pF 10% 500V
2234	4822 124 40738	330µF 20% 25V
2235	4822 126 11157	470pF 10% 500V
2237	4822 122 33708	2,2nF 10% 1kV
2238	4822 124 22583	47µF 160V
2239	4822 124 40193	68µF 20% 16V
2240	4822 124 42183	1000µF 20% 63V
2254	4822 126 11496	120pF 5% 2kV
2255	4822 122 32142	270pF 5% 63V
2258	5322 121 42502	390nF 5% 63V
2260	4822 122 31727	470pF 5% 63V
2261	5322 124 21189	100µF 20% 40V
2262	4822 122 31727	470pF 5% 63V
2263	4822 124 40849	330µF 20% 16V
2270	4822 124 41584	100µF 20% 10V
2272	4822 122 33496	100nF 10% 63V
2302	4822 122 31765	100pF 5% 50V
2303	4822 122 31808	150pF 10% 50V
2308	4822 122 32891	68nF 10% 63V
2321	4822 121 51319	1µF 10% 63V
2331	4822 122 32891	68nF 10% 63V
2351	4822 121 41854	150nF 5% 63V
2360	4822 122 31981	33nF ±0,5pF 50V
2361	4822 121 42589	82nF 5% 63V
2365	5322 122 32838	82nF 10% 63V
2372	5322 121 42502	390nF 5% 63V
2376	4822 124 40272	33µF 20% 16V
2380	4822 122 33496	100nF 10% 63V
2381	4822 122 33496	100nF 10% 63V
2382	4822 122 33496	100nF 10% 63V
2386	5322 122 31647	1nF 10% 63V

⊣⊢

2401	4822 122 32542	47nF 10% 63V
2402	4822 124 41576	2,2µF 20% 50V
2403	5322 124 41431	22µF 20% 35V
2404	4822 124 41577	4,7µF 20% 50V
2405	4822 122 32542	47nF 10% 63V
2406	4822 121 51091	1,2nF 2% 250V
2407	4822 122 32153	1,8nF 10% 63V
2408	4822 122 31168	270pF 10% 500V
2409	4822 122 31797	22nF 10% 63V
2410	4822 121 41854	150nF 5% 63V
2411	4822 121 41854	150nF 5% 63V
2412	4822 122 31211	100pF 10% 500V
2415	4822 122 32542	47nF 10% 63V
2416	4822 122 33496	100nF 10% 63V
2417	4822 122 32808	1,2nF 10% 63V
2418	4822 122 31797	22nF 10% 63V
2419	4822 124 40849	330µF 20% 16V
2450	4822 122 32442	10nF 50V
2451	4822 122 31746	1000pF 5% 50V
2452	4822 124 41716	220µF 20% 35V
2455	4822 122 31771	390pF 5% 50V
2456	4822 124 41334	470µF 20% 35V
2456	4822 124 41747	680µF 20%
2457	4822 124 42251	1,5µF 10% 50V
2458	4822 122 31797	22nF 10% 63V
2459	4822 122 32891	68nF 10% 63V
2460	4822 122 33496	100nF 10% 63V
2480	4822 124 23495	10µF 20% 25V
2501	4822 122 31961	68pF 5% 63V
2502	4822 121 41689	100nF 10% 250V
2503	4822 126 11157	470pF 10% 500V
2504	4822 126 11495	1nF 10% 2kV
2504	4822 126 11539	1,2nF 10% 2kV
2504	4822 126 11495	1nF 10% 2kV
2509	4822 122 31171	1,2nF 10% 500V
2511	4822 124 41739	47µF 20% 160V
2512	4822 124 40435	10µF 20% 50V
2513	4822 124 40435	10µF 20% 50V
2517	4822 122 31177	470pF 10% 500V
2518	4822 124 22449	4,7µF 30% 350V
2519	4822 124 41831	1µF 20% 160V
2520	4822 121 51528	470nF 5% 250V
2521	4822 121 51563	560nF 5% 250V
2523	5322 121 42523	8,2nF 5% 2kV
2524	4822 121 43915	27nF 5% 630V
2529	4822 124 23491	0,47µF 20% 50V
2530	4822 122 31797	22nF 10% 63V
2531	4822 121 40516	22nF 10% 250V
2533	5322 122 32818	2,2nF 10% 100V
2534	4822 126 11502	470pF 10% 500V
2535	4822 124 23488	1000µF 20% 35V
2536	4822 122 31177	470pF 10% 500V
2537	4822 124 40184	1000µF 20% 10V
2541	4822 124 42184	33µF 20% 25V
2542	4822 124 22466	1µF 20% 50V
2543	4822 124 23495	10µF 20% 25V
2546	4822 122 33496	100nF 10% 63V
2547	4822 122 33498	2,7nF 10% 63V
2551	4822 124 40195	150µF 20% 16V
2600	4822 124 41577	4,7µF 20% 50V
2601	4822 122 31797	22nF 10% 63V
2603	4822 122 32891	68nF 10% 63V
2603	4822 122 32542	47nF 10% 63V
2603	4822 122 33496	100nF 10% 63V
2605	4822 122 31781	1500pF 10% 50V
2605	4822 122 33498	2,7nF 10% 63V
2606	4822 122 33496	100nF 10% 63V
2609	4822 121 43396	120nF 5% 63V

Large signal panel A B G

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2610	4822 124 41576	2,2µF 20% 50V
2611	4822 124 41576	2,2µF 20% 50V
2613	4822 122 31784	4,7nF 10% 50V
2613	4822 122 31773	560pF 5% 50V

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3000	4822 051 10912	9k1 2% 0,25W
3001	4822 051 10912	9k1 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10104	100k 2% 0,25W
3006	4822 051 10224	220k 2% 0,25W
3009	4822 051 10224	220k 2% 0,25W
3011	4822 051 10203	20k 2% 0,25W
3012	4822 051 10203	20k 2% 0,25W
3013	4822 116 52268	300k 5% 0,5W
3014	4822 116 52268	300k 5% 0,5W
3016	4822 052 10828	8Ω2 5% 0,33W
3021	4822 052 10828	8Ω2 5% 0,33W
3022	4822 052 10828	8Ω2 5% 0,33W
3025	4822 051 10333	33k 2% 0,25W
3027	4822 051 10103	10k 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 051 10123	12k 2% 0,25W
3030	4822 051 10123	12k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10102	1k 2% 0,25W
3033	4822 116 52244	15k 5% 0,5W
3034	4822 051 10472	4k7 2% 0,25W
3035	4822 051 10153	15k 2% 0,25W
3036	4822 051 10152	1k5 2% 0,25W
3037	4822 051 10152	1k5 2% 0,25W
3040	4822 051 10273	27k 2% 0,25W
3041	4822 051 10152	1k5 2% 0,25W
3043	4822 051 10203	20k 2% 0,25W
3044	4822 051 10221	220Ω 2% 0,25W
3049	4822 051 10102	1k 2% 0,25W
3050	4822 051 10103	10k 2% 0,25W
3051	4822 051 10203	20k 2% 0,25W
3052	4822 051 10472	4k7 2% 0,25W
3053	4822 051 10472	4k7 2% 0,25W
3054	4822 053 21475	4M7 5% 0,5W
3060	4822 051 10203	20k 2% 0,25W
3065	4822 051 10183	18k 2% 0,25W
3066	4822 051 10183	18k 2% 0,25W
3067	4822 116 52296	6k8 5% 0,5W
3068	4822 116 52207	1k2 5% 0,5W
3069	4822 051 10752	7k5 2% 0,25W
3072	4822 051 10479	47Ω 2% 0,25W
3073	4822 116 52257	22k 5% 0,5W
3074	4822 051 10103	10k 2% 0,25W
3201	4822 053 21475	4M7 5% 0,5W
3202	4822 053 21475	4M7 5% 0,5W
3204	4822 116 40033	NTC/PTC
3204	4822 116 40215	PTC
3209	4822 113 80384	1Ω5 10% 7W
3210	4822 116 52239	120k 5% 0,5W
3211	4822 116 52239	120k 5% 0,5W
3212	4822 116 52234	100k 5% 0,5W
3213	4822 051 10823	82k 2% 0,25W
3215	4822 051 10472	4k7 2% 0,25W
3216	4822 115 90309	56Ω 10% 5W
3239	4822 116 52297	68k 5% 0,5W
3240	4822 116 52234	100k 5% 0,5W
3240	4822 116 52297	68k 5% 0,5W
3241	4822 113 80572	2Ω2 10% 5W
3241	4822 113 80584	2Ω7 10% 5W
3242	4822 051 10122	1k2 2% 0,25W

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3243	4822 116 52229	750Ω 5% 0,5W
3244	4822 116 52211	150Ω 5% 0,5W
3245	4822 116 52229	750Ω 5% 0,5W
3247	4822 051 20222	2k2 5% 0,1W
3248	4822 051 20222	2k2 5% 0,1W
3249	4822 116 52258	220k 5% 0,5W
3250	4822 116 52198	62Ω 5% 0,5W
3251	4822 051 10102	1k 2% 0,25W
3252	4822 116 52258	220k 5% 0,5W
3253	4822 116 82738	10k 10%
3255	4822 116 52243	1k5 5% 0,5W
3266	4822 051 10151	150Ω 2% 0,25W
3267	4822 051 10101	100Ω 2% 0,25W
3268	4822 053 11689	68Ω 5% 2W
3270	4822 051 10118	1Ω1 5% 0,25W
3271	4822 053 10399	39Ω 5% 1W
3272	4822 051 51201	120Ω 1% 0,125W
3273	4822 051 10472	4k7 2% 0,25W
3274	4822 051 10102	1k 2% 0,25W
3275	4822 116 52206	120Ω 5% 0,5W
3298	4822 051 10479	47Ω 2% 0,25W
3298	4822 051 10569	56Ω 2% 0,25W
3298	4822 051 10689	68Ω 2% 0,25W
3298	4822 051 10821	820Ω 2% 0,25W
3298	4822 051 10122	1k2 2% 0,25W
3298	4822 051 10182	1k8 2% 0,25W
3300	4822 053 10753	75k 5% 1W
3304	4822 051 10473	47k 2% 0,25W
3305	4822 051 10472	4k7 2% 0,25W
3305	4822 051 10332	3k3 2% 0,25W
3306	4822 051 10823	82k 2% 0,25W
3308	4822 053 12151	150Ω 5% 3W
3309	4822 051 10103	10k 2% 0,25W
3310	4822 050 11109	11Ω 1% 0,4W
3310	4822 116 52184	18Ω 5% 0,5W
3311	4822 051 10471	470Ω 2% 0,25W
3312	4822 051 10101	100Ω 2% 0,25W
3313	4822 050 11109	11Ω 1% 0,4W
3313	4822 116 52184	18Ω 5% 0,5W
3314	4822 116 52223	430Ω 5% 0,5W
3315	4822 116 52223	430Ω 5% 0,5W
3317	4822 051 10682	6k8 2% 0,25W
3320	4822 051 10471	470Ω 2% 0,25W
3321	4822 051 10471	470Ω 2% 0,25W
3322	4822 051 10471	470Ω 2% 0,25W
3331	4822 116 52267	30k 5% 0,5W
3332	4822 116 52233	10k 5% 0,5W
3351	4822 052 11279	27Ω 5% 0,5W
3356	4822 051 10132	1k3 2% 0,25W
3356	4822 051 10751	750Ω 2% 0,25W
3357	4822 050 13302	3k3 1% 0,4W
3357	4822 050 27871	787Ω 1% 0,6W
3358	4822 116 52183	16Ω 5% 0,5W
3360	4822 051 10122	1k2 2% 0,25W
3362	4822 051 10151	150Ω 2% 0,25W
3364	4822 051 10471	470Ω 2% 0,25W
3365	4822 051 10221	220Ω 2% 0,25W
3366	4822 051 10221	220Ω 2% 0,25W
3368	4822 116 52226	560Ω 5% 0,5W
3369	4822 116 52226	560Ω 5% 0,5W
3370	4822 051 10332	3k3 2% 0,25W
3371	4822 100 11348	1k 30% LIN
3372	4822 051 10561	560Ω 2% 0,25W
3374	4822 116 52301	75k 5% 0,5W
3375	5322 111 90282	2k4 2% 0,25W
3376	4822 116 52175	100Ω 5% 0,5W
3378	4822 051 10101	100Ω 2% 0,25W

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3380	4822 051 10152	1k5 2% 0,25W
3381	4822 051 10152	1k5 2% 0,25W
3382	4822 051 10103	10k 2% 0,25W
3383	4822 051 10103	10k 2% 0,25W
3387	4822 051 10223	22k 2% 0,25W
3402	4822 051 10562	5k6 2% 0,25W
3403	4822 051 10229	22Ω 2% 0,25W
3404	4822 051 10182	1k8 2% 0,25W
3405	4822 051 10333	33k 2% 0,25W
3406	4822 100 11483	10k 30% LIN
3407	4822 051 10561	560Ω 2% 0,25W
3408	4822 051 10563	56k 2% 0,25W
3409	4822 116 52272	330k 5% 0,5W
3410	5322 101 11013	330k 30% LIN
3411	4822 051 10104	100k 2% 0,25W
3411	4822 051 10913	91k 2% 0,25W
3413	4822 051 10101	100Ω 2% 0,25W
3414	4822 051 10154	150k 2% 0,25W
3415	4822 100 11392	47k 30% LIN
3417	4822 116 52256	2k2 5% 0,5W
3418	4822 051 10201	200Ω 2% 0,25W
3419	4822 052 10279	27Ω 5% 0,33W
3420	4822 050 23905	3M9 1% 0,6W
3421	4822 116 52243	1k5 5% 0,5W
3422	4822 116 81223	1M2 5% 0,5W
3422	4822 116 81783	1M5 5% 0,5W
3424	4822 051 10221	220Ω 2% 0,25W
3426	4822 051 10331	330Ω 2% 0,25W
3428	4822 116 52271	33k 5% 0,5W
3429	4822 116 52269	3k3 5% 0,5W
3430	4822 051 10471	470Ω 2% 0,25W
3437	4822 116 52224	470Ω 5% 0,5W
3438	4822 116 52205	1k1 5% 0,5W
3439	4822 116 52247	16k 5% 0,5W
3441	4822 051 10622	6k2 2% 0,25W
3442	4822 051 10332	3k3 2% 0,25W
3444	4822 051 10103	10k 2% 0,25W
3446	4822 116 52264	27k 5% 0,5W
3450	4822 051 10432	4k3 2% 0,25W
3451	4822 051 10432	4k3 2% 0,25W
3455	4822 051 10471	470Ω 2% 0,25W
3456	4822 051 10124	120k 2% 0,25W
3456	4822 051 10134	130k 2% 0,25W
3457	4822 051 10822	8k2 2% 0,25W
3457	4822 051 10912	9k1 2% 0,25W
3458	4822 116 80676	1Ω5 5% 0,2W
3459	4822 116 80676	1Ω5 5% 0,2W
3460	4822 053 10271	270Ω 5% 1W
3461	4822 116 80176	1Ω 5% 0,5W
3462	4822 116 80176	1Ω 5% 0,5W
3463	4822 116 80176	1Ω 5% 0,5W
3465	4822 051 10681	680Ω 2% 0,25W
3466	4822 116 52243	1k5 5% 0,5W
3466	4822 116 52263	2k7 5% 0,5W
3466	4822 116 52279	4k3 5% 0,5W
3467	4822 100 20166	10k 30% LIN
3468	4822 053 12221	220Ω 5% 3W
3469	4822 050 11002	1k 1% 0,4W
3469	4822 116 52263	2k7 5% 0,5W
3469	4822 116 52279	4k3 5% 0,5W
3473	4822 116 52253	2k 5% 0,5W
3479	4822 051 10683	68k 2% 0,25W
3480	4822 116 52234	100k 5% 0,5W
3481	4822 051 10102	1k 2% 0,25W
3482	4822 051 10229	22Ω 2% 0,25W
3483	4822 051 10563	56k 2% 0,25W
3484	4822 051 10223	22k 2% 0,25W
3485	4822 051 10102	1k 2% 0,25W

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3500	4822 116 80176	1Ω 5% 0,5W
3501	4822 116 52271	33k 5% 0,5W
3502	4822 116 52299	7k5 5% 0,5W
3503	4822 116 52299	7k5 5% 0,5W
3504	4822 053 11108	1Ω 5% 2W
3505	4822 116 52191	33Ω 5% 0,5W
3506	4822 053 11108	1Ω 5% 2W
3507	4822 116 52191	33Ω 5% 0,5W
3508	4822 116 82773	1k8 10% 5W
3509	4822 053 21154	150k 5% 0,5W
3510	4822 053 12331	330Ω 5% 3W
3511	4822 116 52176	10Ω 5% 0,5W
3512	4822 051 10331	330Ω 2% 0,25W
3513	4822 100 20166	10k 30% LIN
3514	4822 116 52186	22Ω 5% 0,5W
3515	4822 116 81191	6Ω8 5% 0,3W
3516	4822 116 81191	6Ω8 5% 0,3W
3517	4822 052 11108	1Ω 5% 0,5W
3518	4822 116 52267	30k 5% 0,5W
3519	4822 116 52267	30k 5% 0,5W
3520	4822 052 10338	3Ω3 5% 0,33W
3521	4822 052 10338	3Ω3 5% 0,33W
3524	4822 116 81753	4Ω7 5% 0,5W
3527	4822 051 10102	1k 2% 0,25W
3528	4822 116 52229	750Ω 5% 0,5W
3529	4822 051 10104	100k 2% 0,25W
3530	4822 051 10474	470k 2% 0,25W
3531	4822 116 52274	36k 5% 0,5W
3532	4822 116 52211	150Ω 5% 0,5W
3533	4822 116 52211	150Ω 5% 0,5W
3534	4822 052 11278	2Ω7 5% 0,5W
3535	4822 052 11278	2Ω7 5% 0,5W
3536	4822 116 52221	360Ω 5% 0,5W
3537	4822 116 52186	22Ω 5% 0,5W
3538	4822 116 52241	13k 5% 0,5W
3538	4822 116 52238	12k 5% 0,5W
3540	4822 116 52267	30k 5% 0,5W
3541	4822 116 52285	470k 5% 0,5W
3542	4822 051 10104	100k 2% 0,25W
3543	4822 051 10152	1k5 2% 0,25W
3544	4822 051 10393	39k 2% 0,25W
3545	4822 116 52208	130Ω 5% 0,5W
3547	4822 051 10518	5Ω1 5% 0,25W
3548	4822 051 10392	3k9 2% 0,25W
3549	4822 051 10124	120k 2% 0,25W
3550	4822 116 52209	1k3 5% 0,5W
3551	4822 051 10569	56Ω 2% 0,25W
3601	4822 051 10104	100k 2% 0,25W
3601	4822 051 10154	150k 2% 0,25W
3602	4822 100 20166	10k 30% LIN
3603	4822 051 10153	15k 2% 0,25W
3603	4822 051 20183	18k 5% 0,1W
3603	4822 051 10103	10k 2% 0,25W
3603	4822 051 10912	9k1 2% 0,25W
3604	4822 051 10124	120k 2% 0,25W
3604	4822 051 10154	150k 2% 0,25W
3604	4822 051 10134	130k 2% 0,25W
3605	4822 051 10133	13k 2% 0,25W
3605	4822 051 10243	24k 2% 0,25W
3606	4822 051 10333	33k 2% 0,25W
3607	4822 100 11213	22k 30% LIN
3608	4822 051 10102	1k 2% 0,25W
3609	4822 051 10473	47k 2% 0,25W
3610	4822 051 10472	4k7 2% 0,25W
3611	4822 051 20222	2k2 5% 0,1W
3614	4822 051 10152	1k5 2% 0,25W
3615	4822 116 52224	470Ω 5% 0,5W
3616	4822 051 10332	3k3 2% 0,25W

3617	4822 051 20222	2k2 5% 0,1W
3618	4822 051 10104	100k 2% 0,25W
3619	4822 051 20222	2k2 5% 0,1W
3620	4822 051 10622	6k2 2% 0,25W
3621	4822 051 10164	160k 2% 0,25W
3622	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 52242	130k 5% 0,5W
3626	4822 116 52265	270k 5% 0,5W
3626	4822 116 52242	130k 5% 0,5W
3626	4822 116 52258	220k 5% 0,5W
3627	4822 051 10103	10k 2% 0,25W
3628	4822 116 52234	100k 5% 0,5W
3629	4822 051 10224	220k 2% 0,25W
3630	4822 051 10104	100k 2% 0,25W
3631	4822 051 10182	1k8 2% 0,25W
3632	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10153	15k 2% 0,25W

Jumpers

9039	4822 051 10333	33K 2% 0,25W
4000	4822 051 10008	0Ω 5% 0,25W
4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4004	4822 051 10008	0Ω 5% 0,25W
4006	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4400	4822 051 10008	0Ω 5% 0,25W
4402	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4412	4822 051 10008	0Ω 5% 0,25W
4413	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4416	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10272	2k7 2% 0,25W
4508	4822 051 10102	1k 2% 0,25W
4530	4822 051 10008	0Ω 5% 0,25W
4531	4822 051 10008	0Ω 5% 0,25W
4533	4822 051 10008	0Ω 5% 0,25W
4534	4822 051 10008	0Ω 5% 0,25W
4541	4822 051 10008	0Ω 5% 0,25W
4552	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W

5202	4822 212 23611	transf. assy CU20D3
5205	4822 212 23611	transf. assy CU20D3
5230	4822 148 81167	SOPS transf.
5230	4822 148 81192	SOPS transf. 33"
5231	4822 526 10494	ferrite bead
5233	4822 526 10494	ferrite bead
5235	4822 526 10494	ferrite bead
5237	4822 526 10494	ferrite bead
5241	4822 157 63249	33µH 10%
5255	4822 148 81225	µSOPS transf.
5260	4822 526 10494	ferrite bead
5262	4822 526 10494	ferrite bead

5308	4822 157 62826	270µH 10%
5308	4822 157 63302	150µH 10% 33"
5310	4822 157 63251	3,9µH 10%
5310	4822 157 63301	1µH 15% 33"
5381	4822 157 52265	100µH 10%
5503	4822 157 63252	line driver
5511	4822 157 52407	39µH 7,5%
5514	4822 157 63256	DC-SHIFT
5520	4822 157 63254	LINEARITY
5521	4822 157 63255	COIL
5524	4822 526 10494	ferrite bead
5526	4822 157 63253	EAST-WEST
5534	5322 157 52539	15µH 7,5%
5543	4822 158 10549	12µH 7,5%
5555	4822 140 10424	L.O.T.

6000	4822 130 80446	LL4148
6001	4822 130 80446	BAS32L
6008	4822 209 73095	P4KE30C-7000
6010	4822 130 80446	LL4148
6011	4822 130 80446	LL4148
6012	4822 130 80446	LL4148
6016	4822 130 80446	LL4148
6021	4822 130 80446	LL4148
6201	4822 130 80446	LL4148
6210	4822 130 33887	GP15J-16
6211	4822 130 33887	GP15J-16
6212	4822 130 33887	GP15J-16
6213	4822 130 33887	GP15J-16
6216	4822 130 42606	BYD33J
6220	4822 130 33887	GP15J
6221	4822 130 33887	GP15J
6230	4822 130 33529	BY229F-200
6232	4822 130 33529	BY229F-200
6235	4822 130 81104	MA689
6237	4822 130 80572	RGP30J-L7004
6238	4822 130 80572	RGP30J-L7004
6246	4822 130 82347	LLZ-F6V8
6251	4822 130 80954	LLZ-C5V6
6260	4822 130 80446	LL4148
6262	4822 130 42488	BYD33D
6266	4822 130 34278	BZX79-F6V8
6272	4822 130 34173	BZX55-B5V6
6280	4822 130 30621	1N4148
6302	4822 130 80446	LL4148
6303	4822 130 80446	LL4148
6304	4822 130 80446	LL4148
6306	5322 130 31504	BZX79-C20
6308	4822 130 42488	BYD33D
6312	4822 130 42488	BYD33D
6315	4822 130 80446	LL4148
6318	4822 130 80446	LL4148
6319	4822 130 34173	BZX79-C5V6
6321	4822 130 80954	BZV55-C5V6
6331	4822 130 30621	1N4148
6349	4822 130 80446	LL4148
6350	4822 130 80446	LL4148
6351	4822 130 30621	1N4148
6352	4822 130 80446	LL4148
6353	4822 130 80446	LL4148
6355	4822 130 80446	LL4148
6356	4822 130 80886	LLZ-F22
6357	4822 130 80446	LL4148
6370	4822 130 81512	LLZ-C6V2
6371	4822 130 80446	LL4148
6372	4822 130 80446	LL4148

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Large signal panel A B G

6373	4822 130 82583	LLZ-C9V1
6375	4822 130 80446	LL4148
6376	4822 130 80922	LLZ-C18
6376	4822 130 81143	BZV55-C20
6403	4822 130 80446	LL4148
6404	4822 130 80446	LL4148
6417	4822 130 81223	LLZ-C2V4
6440	4822 130 80446	LL4148
6441	4822 130 80446	LL4148
6451	5322 130 34834	BZX79-C3V6
6452	4822 130 42488	BYD33D
6465	4822 130 80446	LL4148
6466	4822 130 80446	LL4148
6480	4822 130 31554	BZX79-C4V3
6504	4822 130 42488	BYD33D
6506	4822 130 42488	BYD33D
6515	4822 130 80877	BAV103
6516	4822 130 80877	BAV103
6517	4822 130 42488	BYD33D
6519	4822 130 32896	BYD33M
6520	4822 130 32896	BYD33M
6526	4822 130 33531	BY229F-600
6527	4822 130 82966	MURF10150E
6529	4822 130 34329	BZX79-C43
6535	4822 130 82512	BYV29F-400
6536	4822 130 82758	BYV29F-300
6542	4822 130 30842	BAV21
6546	4822 130 80446	LL4148
6547	4822 130 80446	LL4148
6551	4822 130 34278	BZX79-B6V8
6553	4822 130 82334	BAS85
6601	4822 130 42488	BYD33D
6629	4822 130 80446	LL4148

7000	4822 209 73311	TDA1521Q/N4
7001	4822 209 73311	TDA1521Q/N4
7002	4822 209 83163	LM833N
7003	4822 130 61207	BC848
7005	5322 130 42136	BC848C
7006	5322 130 42136	BC848C
7007	4822 130 61207	BC848
7008	4822 130 61207	BC848
7009	4822 209 83163	LM833N
7010	5322 130 42012	BC858
7011	4822 209 63913	TDA1521AQ/N4
7012	4822 130 61207	BC848
7013	4822 130 61207	BC848
7201	5322 130 42756	BC857C
7216	4822 130 60851	2SC3973B
7216	4822 130 62735	BUT12AF
7241	4822 130 61003	BD944F
7242	5322 130 41981	BC848A
7243	5322 130 41981	BC848A
7250	4822 130 62509	BUX85F
7251	4822 130 61207	BC848
7268	4822 130 44121	BC338
7270	4822 130 40823	BD135
7272	4822 130 61207	BC848
7273	4822 130 42513	BC858C
7305	5322 130 42136	BC848C
7311	4822 130 42513	BC858C
7312	5322 130 44647	BC368
7312	4822 130 62955	ON4703-BD437
7318	4822 130 42615	BC817-40
7320	4822 130 82034	CNX83A
7321	4822 130 62742	BD943F
7360	5322 130 42756	BC857C
7369	5322 130 42755	BC847C
7370	5322 130 42755	BC847C
7371	4822 130 42513	BC858C
7380	4822 130 42513	BC858C
7381	5322 130 42136	BC848C
7384	5322 130 42755	BC847C
7385	5322 130 42136	BC848C
7400	4822 209 72363	TDA2579A/N8
7402	5322 130 42136	BC848C
7403	4822 130 42513	BC858C
7407	4822 130 61207	BC848
7417	4822 130 42513	BC858C
7444	5322 130 42136	BC848C
7445	5322 130 42136	BC848C
7450	4822 209 73308	TDA3654Q/N3
7451	5322 130 42012	BC858
7469	4822 130 44104	BC328
7480	4822 130 42513	BC858C
7481	5322 130 42136	BC848C
7504	4822 130 62934	2 x ON4673
7506	4822 130 62934	2 x ON4673
7512	4822 130 44196	BC548C
7513	5322 130 60068	BC558C
7530	4822 130 61233	BC857
7540	5322 130 42755	BC847C
7541	5322 130 42755	BC847C
7542	5322 130 42756	BC857C
7543	4822 130 60136	BC856
7550	4822 130 80669	BD643F
7601	4822 130 61207	BC848
7602	5322 130 42012	BC858
7603	5322 130 42012	BC858
7608	4822 130 44503	BC547C
7610	4822 130 60111	2SA1359
7616	4822 130 61207	BC848
7618	4822 130 61207	BC848

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Small signal panel C D F H

Connectors

	4822 265 40252	7P male
	4822 265 40253	8P
	4822 265 41113	7P
	4822 265 41114	9P
	4822 265 41086	9P male
	4822 265 41082	10P
	4822 290 40295	7P male
	4822 267 40648	5P male gold
	4822 264 50149	10P male gold
	4822 264 40207	3P male
	4822 264 50149	10P male gold
	4822 265 40442	10P male
	4822 264 40207	3P male red
	4822 265 20509	2P male
	4822 265 30828	5P male brown
	4822 265 30899	5P male black
	4822 267 40648	5P male gold
	4822 265 30437	3P male

Various parts

	4822 267 20427	socket SCART + 4xcinch
	4822 267 51058	socket SCART
	4822 267 41005	socket 2xcinch + 2xSVHS
	4822 267 41004	socket HEADPH. + cinch + SVHS
	4822 218 21075	keyboard
	4822 255 40901	socket 40 POLE
1100	4822 212 23281	IR receiver
1160	4822 210 10409	FQ816ME/IF
1160	4822 210 10418	FQ816MF/IF
1160	4822 210 10412	FQ844
1248	4822 242 80364	filter 4,43MHz
1379	4822 242 70736	crystal 7,159MHz
1380	4822 242 70304	crystal 8,867MHz
1602	4822 242 80276	crystal 10MHz

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2100	4822 124 40684	150µF 20% 6,3V
2111	4822 122 32863	22nF 80% 50V
2114	4822 124 22606	68µF 20% 16V
2118	4822 122 31797	22nF 10% 63V
2119	4822 122 31797	22nF 10% 63V
2120	4822 122 32863	22nF 80% 50V
2121	5322 122 31647	1nF 10% 63V
2122	4822 122 32442	10nF 50V
2123	4822 126 11804	330nF
2130	4822 122 31797	22nF 10% 63V
2131	4822 124 22606	68µF 20% 16V
2132	4822 122 31797	22nF 10% 63V
2137	4822 122 32442	10nF 50V
2138	4822 124 40193	68µF 20% 16V
2160	4822 124 40849	330µF 20% 16V
2161	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2166	4822 124 40684	150µF 20% 6,3V
2168	4822 122 32927	220nF
2169	4822 122 32442	10nF 50V
2170	4822 124 40195	150µF 20% 16V
2171	4822 122 32862	10nF 80% 50V
2172	4822 124 41506	47µF 20% 16V
2188	4822 122 32863	22nF 80% 50V
2189	4822 122 32863	22nF 80% 50V
2190	4822 122 32863	22nF 80% 50V

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2193	4822 122 32153	1,8nF 10% 63V
2194	4822 122 32153	1,8nF 10% 63V
2196	4822 124 22606	68µF 20% 16V
2197	4822 124 22606	68µF 20% 16V
2216	4822 122 32927	220nF
2219	4822 122 32927	220nF
2234	4822 122 32927	220nF
2240	4822 122 32927	220nF
2241	4822 121 42408	220nF 5% 63V
2242	4822 124 40196	220µF 20% 16V
2243	4822 121 42408	220nF 5% 63V
2245	4822 122 32927	220nF
2249	4822 122 32862	10nF 80% 50V
2250	4822 051 10102	1K 2% 0,25W
2252	4822 121 42408	220nF 5% 63V
2253	4822 126 11492	220nF 10% 50V
2254	4822 122 32927	220nF
2255	4822 124 41643	100µF 20% 16V
2257	4822 122 31947	100nF 20% 63V
2258	4822 122 31765	100pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2261	4822 122 31947	100nF 20% 63V
2268	4822 122 31947	100nF 20% 63V
2269	4822 122 32482	22pF 5% 63V
2270	4822 122 32863	22nF 80% 50V
2274	4822 122 32862	10nF 80% 50V
2301	5322 122 31647	1nF 10% 63V
2305	4822 126 10324	33pF 63V
2306	4822 122 31772	47pF 5% 50V
2307	4822 122 31971	10pF 10% 50V
2310	4822 122 31774	56pF 5% 50V
2311	4822 122 31765	100pF 5% 50V
2311	4822 122 31808	150pF 10% 50V
2312	4822 122 32863	22nF 80% 50V
2318	4822 121 42408	220nF 5% 63V
2324	4822 122 32863	22nF 80% 50V
2338	4822 122 31972	39pF 5% 50V
2338	4822 122 31772	47pF 5% 50V
2339	4822 122 31772	47pF 5% 50V
2342	4822 122 31972	39pF 5% 50V
2343	4822 122 31727	470pF 5% 63V
2344	4822 122 31775	680pF 5% 50V
2345	4822 122 31807	1200pF 5% 50V
2347	5322 122 31647	1nF 10% 63V
2353	4822 122 32862	10nF 80% 50V
2360	4822 124 40272	33µF 20% 16V
2361	4822 124 40849	330µF 20% 16V
2365	4822 122 31352	180pF 2% 100V
2366	4822 122 32863	22nF 80% 50V
2367	4822 122 32862	10nF 80% 50V
2368	4822 122 32862	10nF 80% 50V
2369	4822 122 31825	27pF 10% 50V
2371	4822 122 31825	27pF 10% 50V
2372	4822 122 31965	220pF 5% 63V
2373	4822 122 31965	220pF 5% 63V
2374	4822 122 32863	22nF 80% 50V
2375	4822 122 32863	22nF 80% 50V
2376	5322 122 31641	47nF 50V
2377	5322 121 42661	330nF 5% 63V
2378	4822 122 31947	100nF 20% 63V
2379	4822 125 50207	33pF trimmer
2380	4822 125 50207	33pF trimmer
2381	5322 121 42661	330nF 5% 63V
2382	5322 122 31647	1nF 10% 63V
2383	4822 122 32442	10nF 50V
2384	5322 122 31647	1nF 10% 63V
2385	4822 122 32442	10nF 50V
2386	4822 122 32862	10nF 80% 50V

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2387	4822 124 40435	10µF 20% 50V
2388	5322 122 33446	3,3nF 10% 63V
2390	4822 122 32863	22nF 80% 50V
2391	4822 122 32863	22nF 80% 50V
2392	4822 122 32863	22nF 80% 50V
2395	4822 122 32863	22nF 80% 50V
2396	4822 122 32863	22nF 80% 50V
2397	4822 122 32863	22nF 80% 50V
2398	4822 124 40435	10µF 20% 50V
2399	4822 124 41506	47µF 20% 16V
2400	4822 122 32863	22nF 80% 50V
2433	4822 122 32863	22nF 80% 50V
2434	5322 122 33446	3,3nF 10% 63V
2435	5322 122 33446	3,3nF 10% 63V
2436	4822 122 31961	68pF 5% 63V
2438	4822 122 32863	22nF 80% 50V
2440	4822 122 32863	22nF 80% 50V
2442	4822 122 32863	22nF 80% 50V
2445	4822 126 11804	330nF
2446	4822 126 11804	330nF
2447	4822 126 11804	330nF
2451	5322 121 42661	330nF 5% 63V
2452	4822 124 40242	1µF 20% 63V
2453	4822 122 31774	56pF 5% 50V
2454	4822 126 10324	33pF 63V
2455	4822 126 10324	33pF 63V
2456	4822 126 10324	33pF 63V
2476	4822 124 41577	4,7µF 20% 50V
2478	4822 122 31784	4,7nF 10% 50V
2479	4822 122 33105	56nF 10% 63V
2480	4822 124 40272	33µF 20% 16V
2600	4822 122 31947	100nF 20% 63V
2602	4822 122 31947	100nF 20% 63V
2604	4822 122 31947	100nF 20% 63V
2606	4822 122 31947	100nF 20% 63V
2608	4822 122 32927	220nF
2620	4822 122 33496	100nF 10% 63V
2620	4822 122 32927	220nF
2621	4822 122 33496	100nF 10% 63V
2622	4822 122 33496	100nF 10% 63V
2622	4822 122 32927	220nF
2623	4822 122 33496	100nF 10% 63V
2624	5322 122 31842	330pF 5% 63V
2626	4822 121 42408	220nF 5% 63V
2627	5322 124 41431	22µF 20% 35V
2628	5322 122 31842	330pF 5% 63V
2630	4822 122 32927	220nF
2632	5322 122 31842	330pF 5% 63V
2634	4822 121 42408	220nF 5% 63V
2636	5322 122 31842	330pF 5% 63V
2638	4822 121 42408	220nF 5% 63V
2640	5322 122 31842	330pF 5% 63V
2642	4822 122 32927	220nF
2644	5322 122 31842	330pF 5% 63V
2646	4822 122 32927	220nF
2658	4822 122 31961	68pF 5% 63V
2659	4822 122 31961	68pF 5% 63V
2660	5322 122 31647	1nF 10% 63V
2662	5322 122 31647	1nF 10% 63V
2664	4822 122 32153	1,8nF 10% 63V
2666	4822 122 32153	1,8nF 10% 63V
2680	4822 122 31947	100nF 20% 63V
2681	4822 122 32542	47nF 10% 63V
2682	4822 124 40195	150µF 20% 16V
2684	4822 121 51252	470nF 5% 63V
2686	4822 121 51252	470nF 5% 63V
2688	4822 122 31782	15nF 10% 50V
2690	4822 122 31782	15nF 10% 50V

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Small signal panel C D F H

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2692	4822 122 31981	33nF ±0,5pF 50V
2694	4822 122 31916	5,6nF 10% 63V
2696	4822 122 31981	33nF ±0,5pF 50V
2697	4822 122 31965	220pF 5% 63V
2698	4822 122 31916	5,6nF 10% 63V
2699	4822 122 31965	220pF 5% 63V
2700	4822 124 40242	1µF 20% 63V
2702	4822 124 40242	1µF 20% 63V
2704	4822 122 31644	2,2nF 10% 63V
2706	5322 124 41431	22µF 20% 35V
2707	4822 122 31784	4,7nF 10% 50V
2714	4822 122 32863	22nF 80% 50V
2716	4822 122 32597	6,8nF 10% 63V
2720	5322 124 41431	22µF 20% 35V
2721	4822 122 31784	4,7nF 10% 50V
2726	4822 122 31644	2,2nF 10% 63V
2727	4822 124 42362	33µF 20% 16V
2734	4822 122 32863	22nF 80% 50V
2736	4822 122 32597	6,8nF 10% 63V

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3100	4822 051 10102	1k 2% 0,25W
3101	4822 116 52175	100Ω 5% 0,5W
3103	4822 051 10101	100Ω 2% 0,25W
3104	4822 116 52175	100Ω 5% 0,5W
3105	4822 051 10101	100Ω 2% 0,25W
3113	4822 116 52175	100Ω 5% 0,5W
3114	4822 116 52175	100Ω 5% 0,5W
3115	4822 116 52175	100Ω 5% 0,5W
3116	4822 116 52175	100Ω 5% 0,5W
3117	4822 051 20222	2k2 5% 0,1W
3119	4822 051 20222	2k2 5% 0,1W
3120	4822 051 20222	2k2 5% 0,1W
3121	4822 051 10123	12k 2% 0,25W
3122	4822 051 10822	8k2 2% 0,25W
3123	4822 051 10822	8k2 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3125	4822 051 10101	100Ω 2% 0,25W
3126	4822 051 10101	100Ω 2% 0,25W
3127	4822 051 10101	100Ω 2% 0,25W
3128	4822 051 10471	470Ω 2% 0,25W
3129	4822 116 52175	100Ω 5% 0,5W
3131	4822 116 52175	100Ω 5% 0,5W
3132	4822 116 52175	100Ω 5% 0,5W
3133	4822 051 10151	150Ω 2% 0,25W
3134	4822 116 52175	100Ω 5% 0,5W
3135	4822 051 10101	100Ω 2% 0,25W
3136	4822 051 10101	100Ω 2% 0,25W
3137	4822 116 52183	16Ω 5% 0,5W
3138	4822 116 52175	100Ω 5% 0,5W
3139	4822 116 52175	100Ω 5% 0,5W
3140	4822 050 11002	1k 1% 0,4W
3141	4822 050 11002	1k 1% 0,4W
3142	4822 050 11002	1k 1% 0,4W
3143	4822 050 11002	1k 1% 0,4W
3144	4822 050 11002	1k 1% 0,4W
3145	4822 050 11002	1k 1% 0,4W
3146	4822 050 11002	1k 1% 0,4W
3148	4822 051 10473	47k 2% 0,25W
3149	4822 051 10473	47k 2% 0,25W
3150	4822 051 10473	47k 2% 0,25W
3151	4822 051 10562	5k6 2% 0,25W
3152	4822 051 10103	10k 2% 0,25W
3153	4822 051 10103	10k 2% 0,25W
3154	4822 051 10152	1k5 2% 0,25W

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3155	4822 051 10104	100k 2% 0,25W
3156	4822 051 10562	5k6 2% 0,25W
3157	4822 050 11002	1k 1% 0,4W
3158	4822 050 11002	1k 1% 0,4W
3159	4822 051 10103	10k 2% 0,25W
3160	4822 052 10758	7Ω5 5% 0,33W
3160	4822 052 10109	10Ω 5% 0,33W
3160	4822 116 81203	10Ω 5% 0,3W
3161	4822 051 10103	10k 2% 0,25W
3162	4822 052 10758	7Ω5 5% 0,33W
3163	4822 051 10223	22k 2% 0,25W
3164	4822 051 10101	100Ω 2% 0,25W
3165	4822 051 10101	100Ω 2% 0,25W
3166	4822 052 10228	2Ω2 5% 0,33W
3167	4822 051 10122	1k2 2% 0,25W
3168	5322 111 90282	2k4 2% 0,25W
3169	4822 050 11002	1k 1% 0,4W
3170	4822 116 82772	3Ω9 5% 0.3W
3171	4822 052 11511	510Ω 5% 0,5W
3172	4822 052 10229	22Ω 5% 0,33W
3175	4822 051 10153	15k 2% 0,25W
3176	4822 051 10103	10k 2% 0,25W
3177	4822 051 10103	10k 2% 0,25W
3178	4822 051 10223	22k 2% 0,25W
3180	4822 116 52224	470Ω 5% 0,5W
3181	4822 051 10822	8k2 2% 0,25W
3182	4822 116 52214	200Ω 5% 0,5W
3183	4822 116 52233	10k 5% 0,5W
3184	4822 051 51201	120Ω 1% 0,125W
3185	4822 051 10471	470Ω 2% 0,25W
3186	4822 116 52256	2k2 5% 0,5W
3187	4822 051 10759	75Ω 2% 0,25W
3188	4822 051 20222	2k2 5% 0,1W
3189	4822 051 10223	22k 2% 0,25W
3190	4822 051 10823	82k 2% 0,25W
3191	4822 051 56203	62k 1% 0,125W
3192	4822 051 10153	15k 2% 0,25W
3193	4822 051 10331	330Ω 2% 0,25W
3194	4822 051 10331	330Ω 2% 0,25W
3196	4822 051 10473	47k 2% 0,25W
3197	4822 051 10473	47k 2% 0,25W
3200	4822 051 10472	4k7 2% 0,25W
3201	4822 051 10472	4k7 2% 0,25W
3205	4822 051 10759	75Ω 2% 0,25W
3206	4822 051 10759	75Ω 2% 0,25W
3207	4822 051 10759	75Ω 2% 0,25W
3208	4822 051 10101	100Ω 2% 0,25W
3209	4822 051 10101	100Ω 2% 0,25W
3210	4822 051 10101	100Ω 2% 0,25W
3211	4822 116 52217	270Ω 5% 0,5W
3215	4822 051 10689	68Ω 2% 0,25W
3216	4822 052 10159	15Ω 5% 0,33W
3217	4822 116 52224	470Ω 5% 0,5W
3218	4822 051 10471	470Ω 2% 0,25W
3219	4822 051 10471	470Ω 2% 0,25W
3220	4822 051 10471	470Ω 2% 0,25W
3222	4822 116 52217	270Ω 5% 0,5W
3224	4822 051 10759	75Ω 2% 0,25W
3225	4822 051 10471	470Ω 2% 0,25W
3232	4822 051 10102	1k 2% 0,25W
3233	4822 051 10102	1k 2% 0,25W
3234	4822 051 10759	75Ω 2% 0,25W
3235	4822 051 10759	75Ω 2% 0,25W
3237	4822 116 52217	270Ω 5% 0,5W
3238	4822 116 52222	390Ω 5% 0,5W
3239	4822 051 10271	270Ω 2% 0,25W
3240	4822 051 10759	75Ω 2% 0,25W

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3241	4822 051 10759	75Ω 2% 0,25W
3242	4822 116 52219	330Ω 5% 0,5W
3243	4822 051 10152	1k5 2% 0,25W
3244	4822 051 10102	1k 2% 0,25W
3245	4822 051 10474	470k 2% 0,25W
3246	4822 051 10331	330Ω 2% 0,25W
3247	4822 051 10102	1k 2% 0,25W
3248	4822 051 10681	680Ω 2% 0,25W
3249	4822 051 10102	1k 2% 0,25W
3251	4822 051 10759	75Ω 2% 0,25W
3252	4822 051 10759	75Ω 2% 0,25W
3253	4822 051 10561	560Ω 2% 0,25W
3253	4822 051 10331	330Ω 2% 0,25W
3254	4822 052 10159	15Ω 5% 0,33W
3255	4822 051 10821	820Ω 2% 0,25W
3259	4822 051 10103	10k 2% 0,25W
3260	4822 052 10159	15Ω 5% 0,33W
3261	4822 051 10471	470Ω 2% 0,25W
3262	4822 051 10103	10k 2% 0,25W
3263	4822 051 10689	68Ω 2% 0,25W
3264	4822 051 10471	470Ω 2% 0,25W
3265	4822 051 10103	10k 2% 0,25W
3266	4822 051 10103	10k 2% 0,25W
3267	4822 051 10103	10k 2% 0,25W
3268	4822 051 10101	100Ω 2% 0,25W
3269	4822 051 10561	560Ω 2% 0,25W
3270	4822 051 10472	4k7 2% 0,25W
3271	4822 051 10471	470Ω 2% 0,25W
3272	4822 116 52228	680Ω 5% 0,5W
3273	4822 051 10471	470Ω 2% 0,25W
3274	4822 051 10103	10k 2% 0,25W
3275	4822 051 10689	68Ω 2% 0,25W
3276	4822 051 10471	470Ω 2% 0,25W
3277	4822 051 10271	270Ω 2% 0,25W
3279	4822 051 10689	68Ω 2% 0,25W
3285	4822 051 10103	10k 2% 0,25W
3286	4822 051 10103	10k 2% 0,25W
3287	4822 051 10103	10k 2% 0,25W
3288	4822 051 10103	10k 2% 0,25W
3300	4822 051 10103	10k 2% 0,25W
3301	4822 051 10332	3k3 2% 0,25W
3303	4822 051 10361	360Ω 2% 0,25W
3304	4822 051 51201	120Ω 1% 0,125W
3304	4822 051 10101	100Ω 2% 0,25W
3305	4822 051 10104	100k 2% 0,25W
3306	4822 051 10221	220Ω 2% 0,25W
3306	4822 051 10241	240Ω 2% 0,25W
3310	4822 116 52207	1k2 5% 0,5W
3311	4822 051 10182	1k8 2% 0,25W
3312	4822 051 10511	510Ω 2% 0,25W
3313	4822 051 10362	3k6 2% 0,25W
3314	4822 051 10102	1k 2% 0,25W
3315	4822 051 10103	10k 2% 0,25W
3316	4822 051 10112	1k1 2% 0,25W
3317	4822 116 52233	10k 5% 0,5W
3324	4822 051 10223	22k 2% 0,25W
3325	4822 051 10682	6k8 2% 0,25W
3326	4822 051 10103	10k 2% 0,25W
3327	4822 051 10122	1k2 2% 0,25W
3329	4822 051 10392	3k9 2% 0,25W
3329	4822 051 10108	1Ω 5% 0,25W
3336	4822 051 10472	4k7 2% 0,25W
3338	4822 051 10391	390Ω 2% 0,25W
3339	4822 051 10153	15k 2% 0,25W
3339	4822 051 10391	390Ω 2% 0,25W
3342	4822 051 20222	2k2 5% 0,1W
3344	4822 051 10273	27k 2% 0,25W

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Small signal panel C D F H

3345	4822 051 10102	1k 2% 0,25W
3350	4822 051 51201	120Ω 1% 0,125W
3351	4822 051 10472	4k7 2% 0,25W
3353	4822 051 10332	3k3 2% 0,25W
3360	4822 052 10278	2Ω7 5% 0,33W
3361	4822 051 10102	1k 2% 0,25W
3369	4822 051 10331	330Ω 2% 0,25W
3370	4822 100 11391	330Ω 30% LIN
3371	4822 051 10431	430Ω 2% 0,25W
3372	4822 051 10331	330Ω 2% 0,25W
3375	4822 051 10008	0Ω 5% 0,25W
3376	4822 116 52286	5k1 5% 0,5W
3377	4822 051 10103	10k 2% 0,25W
3377	4822 051 10682	6k8 2% 0,25W
3380	4822 050 11002	1k 1% 0,4W
3382	4822 051 20222	2k2 5% 0,1W
3383	4822 051 10333	33k 2% 0,25W
3385	4822 051 10105	1M 5% 0,25W
3387	4822 050 11002	1k 1% 0,4W
3389	4822 051 10182	1k8 2% 0,25W
3390	4822 051 10821	820Ω 2% 0,25W
3391	4822 051 20222	2k2 5% 0,1W
3392	4822 051 10101	100Ω 2% 0,25W
3393	4822 051 10101	100Ω 2% 0,25W
3394	4822 051 10101	100Ω 2% 0,25W
3395	4822 051 10471	470Ω 2% 0,25W
3396	4822 051 20222	2k2 5% 0,1W
3397	4822 052 10249	24Ω 5% 0,33W
3398	4822 116 52175	100Ω 5% 0,5W
3399	4822 116 52175	100Ω 5% 0,5W
3410	4822 116 52224	470Ω 5% 0,5W
3425	4822 116 52224	470Ω 5% 0,5W
3426	4822 116 52224	470Ω 5% 0,5W
3450	4822 051 20222	2k2 5% 0,1W
3451	4822 051 10432	4k3 2% 0,25W
3453	4822 051 10511	510Ω 2% 0,25W
3454	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 10101	100Ω 2% 0,25W
3456	4822 051 10101	100Ω 2% 0,25W
3465	4822 050 11002	1k 1% 0,4W
3471	4822 116 52233	10k 5% 0,5W
3472	4822 051 10682	6k8 2% 0,25W
3473	4822 051 10362	3k6 2% 0,25W
3474	4822 051 10101	100Ω 2% 0,25W
3475	4822 051 10124	120k 2% 0,25W
3476	4822 051 10154	150k 2% 0,25W
3477	4822 116 52286	5k1 5% 0,5W
3478	4822 116 52175	100Ω 5% 0,5W
3478	4822 116 52224	470Ω 5% 0,5W
3479	4822 051 10223	22k 2% 0,25W
3480	4822 052 10278	2Ω7 5% 0,33W
3481	4822 052 10278	2Ω7 5% 0,33W
3482	4822 116 52223	430Ω 5% 0,5W
3483	4822 116 52175	100Ω 5% 0,5W
3488	4822 051 20222	2k2 5% 0,1W
3492	4822 051 10471	470Ω 2% 0,25W
3590	4822 051 10101	100Ω 2% 0,25W
3600	4822 051 10362	3k6 2% 0,25W
3600	4822 051 10472	4k7 2% 0,25W
3602	4822 100 11212	2k2 30% LIN
3603	4822 051 10332	3k3 2% 0,25W
3604	4822 051 10182	1k8 2% 0,25W
3605	4822 051 10472	4k7 2% 0,25W
3606	4822 052 10279	27Ω 5% 0,33W
3607	4822 051 10302	3k 2% 0,25W
3608	4822 051 10101	100Ω 2% 0,25W
3610	4822 051 10101	100Ω 2% 0,25W
3612	4822 051 10102	1k 2% 0,25W
3620	4822 051 10183	18k 2% 0,25W
3622	4822 051 10183	18k 2% 0,25W
3624	4822 051 10102	1k 2% 0,25W
3626	4822 051 10183	18k 2% 0,25W
3628	4822 051 10102	1k 2% 0,25W
3630	4822 051 10183	18k 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3634	4822 051 10183	18k 2% 0,25W
3636	4822 051 10102	1k 2% 0,25W
3638	4822 051 10183	18k 2% 0,25W
3640	4822 051 10102	1k 2% 0,25W
3642	4822 051 10183	18k 2% 0,25W
3644	4822 051 10102	1k 2% 0,25W
3646	4822 051 10183	18k 2% 0,25W
3650	4822 051 10392	3k9 2% 0,25W
3651	4822 051 10123	12k 2% 0,25W
3652	4822 051 10392	3k9 2% 0,25W
3653	4822 051 10123	12k 2% 0,25W
3654	4822 116 52244	15k 5% 0,5W
3660	4822 051 10331	330Ω 2% 0,25W
3662	4822 051 10151	150Ω 2% 0,25W
3664	4822 051 10331	330Ω 2% 0,25W
3665	4822 052 10159	15Ω 5% 0,33W
3666	4822 051 10151	150Ω 2% 0,25W
3668	4822 051 10331	330Ω 2% 0,25W
3672	4822 051 10331	330Ω 2% 0,25W
3680	4822 052 10279	27Ω 5% 0,33W
3682	4822 051 10568	5Ω6 5% 0,25W
3684	4822 116 52175	100Ω 5% 0,5W
3686	4822 116 52175	100Ω 5% 0,5W
3700	4822 116 52263	2k7 5% 0,5W
3702	4822 051 10223	22k 2% 0,25W
3704	4822 051 10102	1k 2% 0,25W
3706	4822 052 10109	10Ω 5% 0,33W
3708	4822 051 10101	100Ω 2% 0,25W
3710	4822 051 20183	18k 5% 0,1W
3712	4822 116 52203	91Ω 5% 0,5W
3713	4822 116 52203	91Ω 5% 0,5W
3714	4822 051 10828	8Ω2 5% 0,25W
3720	4822 052 10109	10Ω 5% 0,33W
3722	4822 116 52263	2k7 5% 0,5W
3724	4822 051 10223	22k 2% 0,25W
3726	4822 051 10102	1k 2% 0,25W
3728	4822 051 10101	100Ω 2% 0,25W
3730	4822 051 20183	18k 5% 0,1W
3732	4822 116 52203	91Ω 5% 0,5W
3733	4822 116 52203	91Ω 5% 0,5W
3734	4822 051 10828	8Ω2 5% 0,25W
3998	4822 051 10151	150Ω 2% 0,25W
3998	4822 051 10181	180Ω 2% 0,25W
3998	4822 051 10221	220Ω 2% 0,25W
3998	4822 051 10332	3k3 2% 0,25W
3998	4822 051 10393	39k 2% 0,25W
3998	4822 051 10473	47k 2% 0,25W
3998	4822 051 10563	56k 2% 0,25W
3998	4822 051 10333	33k 2% 0,25W

Jumpers

4066	4822 051 10008	0Ω 5% 0,25W
4105	4822 051 10008	0Ω 5% 0,25W
4106	4822 051 10008	0Ω 5% 0,25W
4107	4822 051 10008	0Ω 5% 0,25W
4108	4822 051 10008	0Ω 5% 0,25W
4109	4822 051 10008	0Ω 5% 0,25W
4110	4822 051 10008	0Ω 5% 0,25W
4111	4822 051 10008	0Ω 5% 0,25W
4112	4822 051 10008	0Ω 5% 0,25W
4114	4822 051 10008	0Ω 5% 0,25W
4115	4822 051 10008	0Ω 5% 0,25W
4120	4822 051 10008	0Ω 5% 0,25W
4127	4822 051 10008	0Ω 5% 0,25W
4130	4822 051 10008	0Ω 5% 0,25W
4148	4822 051 10008	0Ω 5% 0,25W
4161	4822 051 10008	0Ω 5% 0,25W
4164	4822 051 20008	0Ω 5% 0,1W
4164	4822 051 10008	0Ω 5% 0,25W
4166	4822 051 10008	0Ω 5% 0,25W
4170	4822 051 10008	0Ω 5% 0,25W
4171	4822 051 10008	0Ω 5% 0,25W
4184	4822 051 10008	0Ω 5% 0,25W
4200	4822 051 10008	0Ω 5% 0,25W
4201	4822 051 10008	0Ω 5% 0,25W
4203	4822 051 10008	0Ω 5% 0,25W
4205	4822 051 10008	0Ω 5% 0,25W
4210	4822 051 10008	0Ω 5% 0,25W
4220	4822 051 10008	0Ω 5% 0,25W
4234	4822 051 10008	0Ω 5% 0,25W
4237	4822 051 10008	0Ω 5% 0,25W
4241	4822 051 10008	0Ω 5% 0,25W
4246	4822 051 10008	0Ω 5% 0,25W
4255	4822 051 10008	0Ω 5% 0,25W
4280	4822 051 10008	0Ω 5% 0,25W
4300	4822 051 10008	0Ω 5% 0,25W
4302	4822 051 10008	0Ω 5% 0,25W
4319	4822 051 10008	0Ω 5% 0,25W
4320	4822 051 10008	0Ω 5% 0,25W
4321	4822 051 10008	0Ω 5% 0,25W
4330	4822 051 10008	0Ω 5% 0,25W
4331	4822 051 10008	0Ω 5% 0,25W
4346	4822 051 10008	0Ω 5% 0,25W
4360	4822 051 10008	0Ω 5% 0,25W
4361	4822 051 10008	0Ω 5% 0,25W
4376	4822 051 10008	0Ω 5% 0,25W
4377	4822 051 10008	0Ω 5% 0,25W
4386	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4440	4822 051 10008	0Ω 5% 0,25W
4452	4822 051 10008	0Ω 5% 0,25W
4453	4822 051 10008	0Ω 5% 0,25W
4454	4822 051 10008	0Ω 5% 0,25W
4460	4822 051 10008	0Ω 5% 0,25W
4498	4822 051 10008	0Ω 5% 0,25W
4600	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W
4672	4822 051 10008	0Ω 5% 0,25W
4673	4822 051 10008	0Ω 5% 0,25W

5100	4822 157 53906	47μH 10%
5115	4822 152 20677	10μH 10%
5270	4822 157 52983	22μH 10%
5303	4822 157 63065	0,68μH 20%
5304	4822 157 63065	0,68μH 20%
5305	4822 157 62823	26μH 6%
5310	4822 157 63245	82μH 10%
5345	4822 157 62822	4,5μH 6%
5346	4822 157 62823	26μH 6%
5370	4822 157 62824	7,5μH 6%
5403	4822 157 63065	0,68μH 20%
5403	4822 157 53302	1μH 20%
5404	4822 157 63065	0,68μH 20%
5404	4822 157 53302	1μH 20%
5454	4822 157 63065	0,68μH 20%

Small

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Small signal panel C D F H

5455	4822 157 63065	0,68µH 20%
5456	4822 157 63065	0,68µH 20%

6117	4822 130 80906	LLZ-F7V5
6120	4822 130 80446	LL4148
6121	4822 130 80446	LL4148
6163	4822 130 81226	LLZ-F33
6165	4822 130 80446	BAS32L
6166	4822 130 80446	BAS32L
6168	4822 130 80446	LL4148
6172	4822 130 80906	LLZ-C7V5
6173	4822 130 80446	LL4148
6178	4822 130 81222	LLZ-C15
6205	4822 130 80446	BAS32L
6206	4822 130 80446	BAS32L
6207	4822 130 80446	BAS32L
6256	4822 130 80446	BAS32L
6257	4822 130 80446	BAS32L
6280	4822 130 80446	LL4148
6281	4822 130 80446	LL4148
6342	4822 130 80888	BA682
6343	4822 130 80888	BA682
6386	4822 130 80446	LL4148
6387	4822 130 80954	LLZ-C5V6
6450	4822 130 81512	LLZ-C6V2
6465	4822 130 80446	LL4148
6478	4822 130 82345	LLZ-C22
6479	4822 130 80877	BAV103
6480	4822 130 82348	LLZ-F9V1
6610	4822 130 30621	1N4148
6660	4822 130 80446	LL4148
6661	4822 130 81223	LLZ-C2V4
6662	4822 130 80446	LL4148
6663	4822 130 81223	LLZ-C2V4
6664	4822 130 80446	LL4148
6665	4822 130 80446	LL4148

7119	5322 130 41982	BC848B
7120	5322 130 41982	BC848B
7121	4822 130 42513	BC858C
7365	4822 209 30837	TDA4650/V4/S1
7130	5322 130 42136	BC848C
7137	4822 209 71521	X2404
7175	5322 209 10883	PCF8574P
7176	4822 130 42513	BC858C
7177	4822 130 42513	BC858C
7178	5322 130 41982	BC848B
7182	5322 130 44743	BSR12
7183	5322 130 41982	BC848B
7186	4822 209 73852	PMBT2369
7188	4822 130 60511	BC847B
7193	4822 209 83163	LM833N
7193	4822 209 61115	LF353N
7216	4822 130 42615	BC817-40
7219	4822 209 63292	TEA6414
7243	5322 130 41983	BC858B
7244	5322 130 41982	BC848B
7258	5322 209 10421	HEF4094BP
7260	4822 130 42615	BC817-40
7261	5322 130 42136	BC848C
7265	5322 130 41982	BC848B
7268	4822 130 42615	BC817-40
7270	5322 130 41982	BC848B
7273	4822 130 42615	BC817-40
7305	5322 130 41983	BC858B
7311	5322 130 41982	BC848B
7312	5322 130 42136	BC848C
7313	4822 130 42513	BC858C
7314	5322 130 42136	BC848C
7315	5322 130 42136	BC848C
7324	4822 209 63901	TDA4568/V2
7326	5322 130 42136	BC848C
7338	5322 130 41982	BC848B
7350	5322 130 41982	BC848B
7360	4822 130 42615	BC817-40
7364	4822 209 30389	TDA4510/V8
7365	4822 209 30837	TDA4650/V4/S1
7366	4822 209 63108	TDA4660/V2
7390	4822 130 42513	BC858C
7395	4822 209 30394	TDA8443B/C1
7410	4822 209 73852	PMBT2369
7430	4822 209 63733	TDA4680/V5
7450	5322 130 42136	BC848C
7450	5322 130 42755	BC847C
7451	5322 130 42136	BC848C
7451	5322 130 42755	BC847C
7471	5322 130 42136	BC848C
7480	5322 130 44921	BD943
7492	5322 130 42136	BC848C
7600	4822 209 63967	TDA8417/V2
7620	4822 209 10263	4052B
7622	4822 209 10263	4052B
7630	4822 209 83163	LM833N
7635	4822 209 83163	LM833N
7660	5322 130 41982	BC848B
7661	5322 130 41982	BC848B
7662	5322 130 41982	BC848B
7680	4822 209 63734	TDA8425/V7
7704	4822 209 83163	LM833N
7706	5322 130 41982	BC848B
7708	5322 130 41983	BC858B
7730	5322 130 41982	BC848B
7732	5322 130 41983	BC858B

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High end-box L M

Connectors

	4822 267 70257	IC socket 48P
	4822 255 40901	IC socket 40P
	4822 267 60252	IC socket 24P
	4822 267 50885	IC socket 16P
	4822 265 40472	10p gold plated

Various

1100	4822 242 72572	crystal 12MHz
1200	4822 242 71417	cryst. 13,875MHz

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2100	4822 122 32999	2,2nF 5% 63V
2101	4822 122 32999	2,2nF 5% 63V
2102	4822 122 31825	27pF 10% 50V
2103	4822 122 31825	27pF 10% 50V
2104	4822 124 40435	10µF 20% 50V
2105	4822 122 33496	100nF 10% 63V
2106	4822 122 33498	2,7nF 10% 63V
2107	4822 124 41715	220µF 20% 6,3V
2108	4822 124 41506	47µF 20% 16V
2109	4822 122 31965	220pF 5% 63V
2110	4822 122 31965	220pF 5% 63V
2111	5322 122 31842	330pF 5% 63V
2112	4822 122 33496	100nF 10% 63V
2113	5322 122 32163	5,6pF 5% 100V
2114	4822 122 33496	100nF 10% 63V
2115	4822 122 31965	220pF 5% 63V
2116	4822 122 31965	220pF 5% 63V
2117	5322 122 31842	330pF 5% 63V
2118	4822 122 31981	33nF ±0,5pF 50V
2119	4822 126 11492	220nF 10% 50V
2120	4822 122 31797	22nF 10% 63V
2121	4822 122 31797	22nF 10% 63V
2123	4822 122 33496	100nF 10% 63V
2124	4822 122 33496	100nF 10% 63V
2125	4822 122 31971	10pF 10% 50V
2126	4822 122 33496	100nF 10% 63V
2127	4822 122 33496	100nF 10% 63V
2128	4822 122 33496	100nF 10% 63V
2130	4822 122 31765	100pF 5% 50V
2131	4822 122 31765	100pF 5% 50V
2133	4822 122 31765	100pF 5% 50V
2134	4822 122 31746	1000pF 5% 50V
2135	4822 122 31772	47pF 5% 50V
2136	4822 122 31746	1000pF 5% 50V
2137	4822 122 32504	15pF 5% 50V
2138	4822 122 31971	10pF 10% 50V
2139	4822 122 31772	47pF 5% 50V
2140	4822 122 31772	47pF 5% 50V
2141	4822 122 31772	47pF 5% 50V
2142	4822 122 31772	47pF 5% 50V
2143	4822 122 31772	47pF 5% 50V
2144	4822 122 31772	47pF 5% 50V
2146	4822 122 31746	1000pF 5% 50V
2147	4822 122 32507	6,8pF 5% 50V
2148	4822 122 31965	220pF 5% 63V
2149	4822 122 31965	220pF 5% 63V
2150	5322 121 42661	330nF 5% 63V
2151	4822 122 31971	10pF 10% 50V
2152	4822 122 31774	56pF 5% 50V
2153	4822 126 11492	220nF 10% 50V
2154	4822 122 33496	100nF 10% 63V
2155	4822 122 31972	39pF 5% 50V
2156	4822 122 31808	150pF 10% 50V
2157	4822 122 31808	150pF 10% 50V

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2158	4822 122 33496	100nF 10% 63V
2159	4822 122 32444	33pF 5% 50V
2160	4822 122 31808	150pF 10% 50V
2161	4822 122 31808	150pF 10% 50V
2162	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2165	4822 122 31981	33nF +-0,5pF 50V
2166	4822 122 31772	47pF 5% 50V
2167	4822 122 31772	47pF 5% 50V
2168	4822 122 31772	47pF 5% 50V
2169	4822 124 41643	100µF 20% 16V
2170	4822 122 33496	100nF 10% 63V
2172	4822 122 33496	100nF 10% 63V
2173	4822 122 33496	100nF 10% 63V
2174	4822 122 33496	100nF 10% 63V
2175	4822 122 33496	100nF 10% 63V
2176	4822 122 33496	100nF 10% 63V
2177	4822 122 33496	100nF 10% 63V
2178	4822 122 33496	100nF 10% 63V
2179	4822 122 31768	180pF 5% 50V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 33496	100nF 10% 63V
2182	4822 122 33496	100nF 10% 63V
2183	4822 122 33496	100nF 10% 63V
2184	4822 122 31772	47pF 5% 50V
2185	4822 122 31772	47pF 5% 50V
2186	4822 122 32082	4,7pF 5% 50V
2187	4822 124 41715	220µF 20% 6,3V
2188	4822 122 32999	2,2nF 5% 63V
2198	4822 122 31971	10pF 10% 50V
2199	4822 122 31772	47pF 5% 50V
2200	4822 124 41643	100µF 20% 16V
2201	5322 122 31842	330pF 5% 63V
2202	4822 124 41576	2,2µF 20% 50V
2203	4822 122 31825	27pF 10% 50V
2204	4822 122 32442	10nF 50V
2205	4822 122 32442	10nF 50V
2206	4822 122 32504	15pF 5% 50V
2207	4822 122 31765	100pF 5% 50V
2208	4822 122 32142	270pF 5% 63V
2209	4822 122 31797	22nF 10% 63V
2210	4822 122 31727	470pF 5% 63V
2211	5322 122 31647	1nF 10% 63V
2212	4822 122 32504	15pF 5% 50V
2215	4822 124 41576	2,2µF 20% 50V
2216	4822 122 33496	100nF 10% 63V
2217	4822 124 41576	2,2µF 20% 50V
2218	4822 124 41596	22µF 20% 50V
2219	4822 122 33496	100nF 10% 63V
2220	4822 124 41577	4,7µF 20% 50V
2221	4822 122 33496	100nF 10% 63V
2222	4822 122 33496	100nF 10% 63V
2223	4822 124 41643	100µF 20% 16V
2224	4822 121 42937	2,7nF 1% 250V
2225	4822 122 31765	100pF 5% 50V
2227	4822 124 40435	10µF 20% 50V
2228	4822 122 32142	270pF 5% 63V
2229	4822 122 33496	100nF 10% 63V
2230	4822 122 32142	270pF 5% 63V
2233	4822 122 31765	100pF 5% 50V
2235	4822 122 33498	2,7nF 10% 63V
2236	4822 122 32891	68nF 10% 63V
2237	4822 122 33496	100nF 10% 63V
2250	4822 122 33496	100nF 10% 63V
2251	4822 124 41554	220µF 20% 10V
2252	4822 122 33496	100nF 10% 63V

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2253	4822 121 51252	470nF 5% 63V
2254	4822 121 51252	470nF 5% 63V
2255	4822 122 33496	100nF 10% 63V
2256	4822 122 31965	220pF 5% 63V
2257	4822 122 31965	220pF 5% 63V
2258	4822 122 31769	18pF 5% 50V
2259	4822 122 31774	56pF 5% 50V
2260	4822 122 31774	56pF 5% 50V
2261	4822 122 33496	100nF 10% 63V
2262	4822 124 41643	100µF 20% 16V
2265	4822 124 41643	100µF 20% 16V
2266	4822 126 11725	1µF 20% 50V
2268	4822 124 41997	470µF 10V
2269	4822 122 33496	100nF 10% 63V
2270	4822 122 33496	100nF 10% 63V
2271	4822 122 33496	100nF 10% 63V
2272	4822 122 33496	100nF 10% 63V
2273	4822 124 40731	330µF 20% 6,3V
2274	4822 124 41506	47µF 20% 16V
2275	4822 122 33496	100nF 10% 63V
2276	4822 122 33496	100nF 10% 63V
2277	4822 124 41506	47µF 20% 16V
2286	4822 122 31765	100pF 5% 50V
2287	4822 122 31765	100pF 5% 50V
2289	5322 122 32269	6,8pF 5% 50V
2291	5322 122 32269	6,8pF 5% 50V
2292	4822 124 41643	100µF 20% 16V
2293	5322 122 32269	6,8pF 5% 50V
2294	4822 122 31769	18pF 5% 50V
2295	5322 122 32269	6,8pF 5% 50V
2296	4822 122 31769	18pF 5% 50V
2297	5322 122 32269	6,8pF 5% 50V
2298	4822 122 31769	18pF 5% 50V
2299	5322 122 32269	6,8pF 5% 50V
2301	4822 122 33496	100nF 10% 63V
2302	4822 122 33496	100nF 10% 63V
2303	4822 122 33496	100nF 10% 63V
2304	4822 122 32442	10nF 50V
2305	4822 122 32442	10nF 50V
2306	4822 122 32442	10nF 50V
2307	4822 122 33496	100nF 10% 63V
2308	4822 122 33496	100nF 10% 63V
2309	4822 122 33496	100nF 10% 63V
2310	4822 124 41997	470µF 20% 10V
2311	4822 124 41506	47µF 20% 16V
2312	4822 122 31769	18pF 5% 50V

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3000	4822 116 52186	22Ω 5% 0,5W
3000	4822 116 52188	27Ω 5% 0,5W
3001	4822 051 10102	1k 2% 0,25W
3001	4822 051 10122	1k2 2% 0,25W
3100	4822 051 20222	2k2 5% 0,1W
3101	4822 051 20222	2k2 5% 0,1W
3102	4822 051 10473	47k 2% 0,25W
3103	4822 051 10473	47k 2% 0,25W
3104	4822 051 10181	180Ω 2% 0,25W
3106	4822 051 10752	7k5 2% 0,25W
3107	4822 051 10562	5k6 2% 0,25W
3108	4822 051 10331	330Ω 2% 0,25W
3109	4822 051 10152	1k5 2% 0,25W
3110	4822 051 10102	1k 2% 0,25W
3111	4822 051 10473	47k 2% 0,25W
3112	4822 051 10103	10k 2% 0,25W
3113	4822 051 10109	10Ω 2% 0,25W
3114	4822 051 10104	100k 2% 0,25W
3119	4822 051 10152	1k5 2% 0,25W

5% 63V
5% 63V
10% 63V
5% 63V
5% 63V
% 50V
% 50V
% 50V
10% 63V
20% 16V
20% 16V
% 50V
10V
10% 63V
10% 63V
10% 63V
10% 63V
20% 6,3V
% 16V
0% 63V
0% 63V
% 16V
% 50V
% 50V
% 50V
% 50V
0% 16V
% 50V
6 50V
% 50V
6 50V
% 50V
6 50V
% 50V
0% 63V
0% 63V
0% 63V
V
V
V
0% 63V
0% 63V
0% 63V
0% 10V
% 16V
6 50V

0,5W
0,5W
,25W
0,25W
0,1W
0,1W
0,25W
0,25W
% 0,25W
0,25W
0,25W
% 0,25W
0,25W
,25W
0,25W
0,25W
0,25W
6 0,25W
0,25W

High end-box L M

3120	4822 051 10332	3k3 2% 0,25W
3121	4822 051 10472	4k7 2% 0,25W
3122	4822 051 10473	47k 2% 0,25W
3123	4822 051 10122	1k2 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3126	4822 051 10272	2k7 2% 0,25W
3127	4822 051 10221	220Ω 2% 0,25W
3131	4822 051 10109	10Ω 2% 0,25W
3132	4822 051 10152	1k5 2% 0,25W
3133	4822 051 10101	100Ω 2% 0,25W
3134	4822 051 10221	220Ω 2% 0,25W
3135	4822 051 10272	2k7 2% 0,25W
3136	4822 116 81193	15Ω 5% 0,3W
3137	4822 051 10223	22k 2% 0,25W
3138	4822 051 10124	120k 2% 0,25W
3139	4822 051 10101	100Ω 2% 0,25W
3140	4822 051 10224	220k 2% 0,25W
3141	4822 051 10223	22k 2% 0,25W
3142	4822 051 10104	100k 2% 0,25W
3143	4822 051 10104	100k 2% 0,25W
3144	4822 051 10272	2k7 2% 0,25W
3145	4822 051 10759	75Ω 2% 0,25W
3146	4822 051 20222	2k2 5% 0,1W
3147	4822 051 10279	27Ω 2% 0,25W
3148	4822 051 10479	47Ω 2% 0,25W
3151	4822 051 10102	1k 2% 0,25W
3152	4822 051 10621	620Ω 2% 0,25W
3153	4822 051 10122	1k2 2% 0,25W
3155	4822 051 10271	270Ω 2% 0,25W
3156	4822 051 10102	1k 2% 0,25W
3157	4822 051 10151	150Ω 2% 0,25W
3158	4822 051 10331	330Ω 2% 0,25W
3159	4822 051 20222	2k2 5% 0,1W
3160	4822 051 10241	240Ω 2% 0,25W
3161	4822 051 10221	220Ω 2% 0,25W
3162	4822 051 10102	1k 2% 0,25W
3163	4822 051 10332	3k3 2% 0,25W
3164	4822 051 20222	2k2 5% 0,1W
3165	4822 051 10332	3k3 2% 0,25W
3166	4822 051 20222	2k2 5% 0,1W
3168	4822 051 10221	220Ω 2% 0,25W
3169	4822 051 10105	1M 5% 0,25W
3170	4822 051 10102	1k 2% 0,25W
3171	4822 051 10102	1k 2% 0,25W
3172	4822 051 51102	1k1 1% 0,125W
3173	4822 051 10102	1k 2% 0,25W
3174	4822 051 10102	1k 2% 0,25W
3175	4822 051 10683	68k 2% 0,25W
3176	4822 051 10103	10k 2% 0,25W
3198	4822 051 10008	0Ω 5% 0,25W
3200	4822 111 41423	18Ω 5% 0,3W
3202	4822 051 10101	100Ω 2% 0,25W
3203	4822 051 10101	100Ω 2% 0,25W
3204	4822 051 10103	10k 2% 0,25W
3205	4822 051 10102	1k 2% 0,25W
3206	4822 051 10332	3k3 2% 0,25W
3207	4822 051 10104	100k 2% 0,25W
3208	4822 051 10102	1k 2% 0,25W
3209	4822 051 10562	5k6 2% 0,25W
3210	4822 111 41424	22Ω 5% 0,3W
3211	4822 051 10229	22Ω 2% 0,25W
3212	4822 051 10122	1k2 2% 0,25W
3213	4822 051 10561	560Ω 2% 0,25W
3214	4822 051 10303	30k 2% 0,25W
3215	4822 051 10102	1k 2% 0,25W
3216	4822 051 10562	5k6 2% 0,25W
3217	4822 051 10101	100Ω 2% 0,25W
3218	4822 051 10155	1M5 5% 0,25W

3220	4822 051 10473	47k 2% 0,25W
3221	4822 051 10181	180Ω 2% 0,25W
3222	4822 051 10683	68k 2% 0,25W
3223	4822 051 10102	1k 2% 0,25W
3224	4822 051 20222	2k2 5% 0,1W
3225	4822 051 10221	220Ω 2% 0,25W
3226	4822 051 10681	680Ω 2% 0,25W
3227	4822 051 10221	220Ω 2% 0,25W
3228	4822 100 11483	10k 30% LIN
3230	4822 051 10562	5k6 2% 0,25W
3231	4822 051 20222	2k2 5% 0,1W
3232	4822 051 10102	1k 2% 0,25W
3251	4822 051 10393	39k 2% 0,25W
3252	4822 051 10751	750Ω 2% 0,25W
3253	4822 051 10751	750Ω 2% 0,25W
3254	4822 051 10221	220Ω 2% 0,25W
3255	4822 051 10471	470Ω 2% 0,25W
3256	4822 051 10681	680Ω 2% 0,25W
3260	4822 051 10822	8k2 2% 0,25W
3261	4822 051 10472	4k7 2% 0,25W
3262	4822 111 41424	22Ω 5% 0,3W
3274	4822 051 10223	22k 2% 0,25W
3275	4822 051 10102	1k 2% 0,25W
3276	4822 051 10392	3k9 2% 0,25W
3279	4822 051 10122	1k2 2% 0,25W
3280	4822 051 10102	1k 2% 0,25W
3281	4822 051 20222	2k2 5% 0,1W
3290	4822 051 10561	560Ω 2% 0,25W
3291	4822 051 10561	560Ω 2% 0,25W
3292	4822 051 10561	560Ω 2% 0,25W
3293	4822 051 10561	560Ω 2% 0,25W
3296	4822 051 55601	560Ω 1% 0,25W
3297	4822 051 52611	261Ω 1% 0,25W
3298	4822 051 10102	1k 2% 0,25W
3299	4822 051 10102	1k 2% 0,25W
3301	4822 051 10339	33Ω 2% 0,25W
3302	4822 051 10339	33Ω 2% 0,25W
3303	4822 051 10339	33Ω 2% 0,25W
3304	4822 051 10109	10Ω 2% 0,25W
3310	4822 051 10912	9k1 2% 0,25W
3320	4822 051 10008	0Ω 5% 0,25W
3321	4822 051 10008	0Ω 5% 0,25W
3322	4822 051 10008	0Ω 5% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W

5040	4822 157 52983	22μH 10%
5041	4822 157 52983	22μH 10%
5100	4822 157 63246	6μH
5101	4822 157 63247	1,4μH
5102	4822 157 52403	3,3μH 10%
5103	4822 157 60147	2,2μH
5104	4822 157 60147	2,2μH
5105	4822 157 60147	2,2μH
5106	4822 157 60147	2,2μH
5107	4822 157 60147	2,2μH
5108	4822 157 60147	2,2μH
5109	4822 157 60147	2,2μH
5150	4822 157 52224	15μH 10%
5151	4822 157 60498	56μH 10%
5152	4822 157 60498	56μH 10%
5201	4822 157 52224	15μH 10%
5202	4822 157 52138	27μH 10%
5251	4822 157 60147	2,2μH
5252	4822 157 60147	2,2μH

6102	5322 130 80119	BBY40
6103	5322 130 80119	BBY40
6150	4822 130 82914	DIODE
6160	4822 130 80446	LL4148
6200	4822 130 80884	LLZ-C5V1
6201	4822 130 31253	BZX55-C2V4
6202	4822 130 80446	LL4148
6250	4822 130 33706	BZX84-B5V1
6251	4822 130 80446	LL4148

7100	4822 130 61207	BC848
7101	5322 130 42136	BC848C
7103	5322 130 42012	BC858
7104	4822 130 61207	BC848
7105	5322 130 42012	BC858
7106	4822 130 61207	BC848
7107	4822 130 61207	BC848
7108	4822 130 40938	BC548
7109	5322 130 42012	BC858
7110	5322 130 42012	BC858
7111	4822 130 61207	BC848
7112	5322 130 42012	BC858
7113	5322 130 42012	BC858
7116	4822 130 42131	BF550
7117	4822 130 42131	BF550
7119	5322 130 42136	BC848C
7120	5322 130 42136	BC848C
7121	5322 130 42136	BC848C
7122	5322 130 42136	BC848C
7123	4822 130 42513	BC858C
7124	5322 130 42136	BC848C
7125	5322 130 42136	BC848C
7156	4822 130 61207	BC848
7157	4822 130 61207	BC848
7159	4822 130 61207	BC848
7160	5322 130 42012	BC858
7170	4822 130 42513	BC858C
7200	4822 209 63645	SAA5231/V7
7201	4822 209 63902	SAA9042P/A
7202	4822 209 63893	LH2464-10
7203	4822 209 63423	TDA2579B/N2
7204	4822 209 30868	PCF80C51BH-3P
7205	4822 209 63892	UPD91237C
7206	4822 209 82341	PC74HCT04P
7207	4822 209 82341	PC74HCT04P
7209	4822 209-83163	LM833N
7210	4822 209 63894	PC74HCT4066P
7211	4822 209 30913	TDA8703/C4
7212	4822 209 30913	TDA8703/C4
7213	4822 209 30913	TDA8703/C4
7214	5322 209 11588	PC74HCT195P
7215	5322 209 11588	PC74HCT195P
7216	5322 209 11588	PC74HCT195P
7217	5322 209 11588	PC74HCT195P
7218	4822 209 72042	MC78L05ACP
7250	4822 209 60525	TMS4C1050-3N
7251	4822 209 60525	TMS4C1050-3N
7252	4822 209 60525	TMS4C1050-3N
7253	4822 209 63891	SDA9060
7254	4822 209 63897	TDA4563/V5

Spare parts list / Stückliste / Liste

PIP panel J

Connectors

	4822 265 40503	5P female gold
	4822 265 40472	10P female gold
	4822 265 30828	5P male
	4822 265 30899	5P
	4822 265 20509	2P grey
	4822 265 20511	2P blue

Various parts

1155	4822 320 40051	delay line DL711
1201	4822 242 70304	crystal 8,867MHz
1212	4822 242 70736	crystal 7,159MHz
1600	4822 210 50124	UV916E/IEC
1610	4822 242 80275	OFWG3962

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2103	4822 122 32444	33pF 5% 50V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31808	150pF 10% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1000pF 5% 50V
2196	4822 122 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF trim.
2211	4822 122 31746	1000pF 5% 50V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	4822 122 31842	330pF 5% 63V
2230	4822 124 41578	6,8µF 20% 50V
2232	4822 124 41678	22µF 20% 25V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8µF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 31947	100nF 20% 63V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2330	4822 122 32597	6,8nF 10% 63V
2345	4822 124 41506	47µF 20% 16V
2350	4822 124 40849	330µF 20% 16V
2351	4822 124 41643	100µF 20% 16V
2380	4822 122 32927	220nF
2382	4822 122 32927	220nF
2384	4822 122 32927	220nF
2391	4822 122 32927	220nF
2395	4822 122 32927	220nF
2397	4822 122 32927	220nF

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2399	4822 122 31746	1000pF 5% 50V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31839	82pF 10% 50V
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 32765	820pF 10% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1µF 20% 63V
2446	4822 122 31947	100nF 20% 63V
2448	4822 122 31947	100nF 20% 63V
2450	4822 122 32856	8,2nF 10% 63V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470µF 10V
2466	4822 122 31947	100nF 20% 63V
2470	4822 124 40435	10µF 20% 50V
2604	4822 124 40195	150µF 20% 16V
2614	4822 124 41506	47µF 20% 16V
2615	4822 124 41576	2,2µF 20% 50V
2616	4822 122 32927	220nF
2618	4822 122 32442	10nF 50V
2619	4822 124 40849	330µF 20% 16V
2620	4822 122 32442	10nF 50V
2621	4822 122 31797	22nF 10% 63V
2622	4822 122 31947	100nF 20% 63V
2623	4822 122 31797	22nF 10% 63V
2627	4822 122 32927	220nF

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3100	4822 051 10008	0Ω 5% 0,25W
3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 051 10103	10k 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 050 11002	1k 1% 0,4W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	0Ω 5% 0,25W
3227	4822 116 52299	7k 5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10302	3k 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10821	820Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10222	1k2 2% 0,25W

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3236	4822 051 10511	510Ω 2% 0,25W
3237	4822 051 10153	15k 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10302	3k 2% 0,25W
3242	4822 050 11002	1k 1% 0,4W
3250	4822 051 10911	910Ω 2% 0,25W
3265	4822 051 10104	100k 2% 0,25W
3270	4822 051 10103	10k 2% 0,25W
3275	4822 051 10103	10k 2% 0,25W
3276	4822 051 10102	1k 2% 0,25W
3330	4822 051 10752	7k5 2% 0,25W
3331	4822 051 10103	10k 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10432	4k3 2% 0,25W
3337	4822 116 52207	1k2 5% 0,5W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 116 52253	2k 5% 0,5W
3345	4822 052 10229	22Ω 5% 0,33W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10271	270Ω 2% 0,25W
3376	4822 051 10008	0Ω 5% 0,25W
3377	4822 051 10008	0Ω 5% 0,25W
3378	4822 051 10008	0Ω 5% 0,25W
3380	4822 051 10008	0Ω 5% 0,25W
3381	4822 051 10151	150Ω 2% 0,25W
3382	4822 051 10008	0Ω 5% 0,25W
3383	4822 051 10008	0Ω 5% 0,25W
3384	4822 051 10151	150Ω 2% 0,25W
3385	4822 051 10008	0Ω 5% 0,25W
3386	4822 051 10008	0Ω 5% 0,25W
3387	4822 051 10151	150Ω 2% 0,25W
3388	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10391	390Ω 2% 0,25W
3414	4822 051 10101	100Ω 2% 0,25W
3416	4822 051 10182	1k8 2% 0,25W
3434	4822 051 10473	47k 2% 0,25W
3436	4822 051 10473	47k 2% 0,25W
3437	4822 051 10101	100Ω 2% 0,25W
3438	4822 051 10513	51k 2% 0,25W
3440	4822 116 52222	390Ω 5% 0,5W
3441	4822 051 10519	51Ω 2% 0,25W
3442	4822 051 10919	91Ω 2% 0,25W
3444	4822 116 52175	100Ω 5% 0,5W
3446	4822 116 52175	100Ω 5% 0,5W
3448	4822 051 10392	3k9 2% 0,25W
3450	4822 051 10681	680Ω 2% 0,25W
3450	4822 051 10751	750Ω 2% 0,25W
3452	4822 051 10681	680Ω 2% 0,25W
3452	4822 051 10751	750Ω 2% 0,25W
3454	4822 051 10681	680Ω 2% 0,25W
3454	4822 051 10751	750Ω 2% 0,25W
3460	4822 116 52217	270Ω 5% 0,5W
3461	4822 116 52259	2k4 5% 0,5W
3462	4822 051 10333	33k 2% 0,25W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3465	4822 051 10821	820Ω 2% 0,25W
3471	4822 051 10103	10k 2% 0,25W
3472	4822 051 10224	220k 2% 0,25W
3473	4822 051 10008	0Ω 5% 0,25W
3473	4822 051 10102	1k 2% 0,25W

PIP pa

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Jumpers

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PIP panel J

3600	4822 051 10103	10k 2% 0,25W
3601	4822 051 10103	10k 2% 0,25W
3602	4822 051 10101	100Ω 2% 0,25W
3603	4822 051 10101	100Ω 2% 0,25W
3604	4822 052 10158	1Ω5 5% 0,33W
3605	4822 051 10223	22k 2% 0,25W
3610	4822 100 11319	4k7 30% LIN
3611	4822 051 10332	3k3 2% 0,25W
3612	4822 051 10272	2k7 2% 0,25W
3613	4822 051 10103	10k 2% 0,25W
3614	4822 051 10123	12k 2% 0,25W
3615	4822 051 10822	8k2 2% 0,25W
3616	4822 116 52229	750Ω 5% 0,5W
3617	4822 051 10751	750Ω 2% 0,25W
3618	4822 052 10568	5Ω6 5% 0,33W
3619	4822 051 10471	470Ω 2% 0,25W
3620	4822 051 20222	2k2 5% 0,1W
3621	4822 051 10105	1M 5% 0,25W
3622	4822 051 10272	2k7 2% 0,25W
3624	4822 051 10272	2k7 2% 0,25W
3625	4822 051 10511	510Ω 2% 0,25W
3630	4822 051 10101	100Ω 2% 0,25W
3631	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3634	4822 051 10104	100k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4027	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W

Jumpers

4420	4822 051 10008	0Ω 5% 0,25W
4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4633	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W

5118	4822 157 60435	10,3μH 6%
5155	4822 157 60433	7,2μH 6%
5157	4822 157 60434	9,4μH 6%
5170	4822 157 60432	10,3μH
5175	4822 157 60432	10,3μH
5190	4822 157 60432	10,3μH
5400	4822 157 50943	12μH 10%
5402	4822 157 50943	12μH 10%
5403	4822 157 52333	100μH
5406	4822 157 50943	12μH 10%
5408	4822 157 50943	12μH 10%
5410	4822 157 50943	12μH 10%

6300	4822 130 80906	LLZ-C7V5
6301	4822 130 80446	LL4148

7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7126	4822 209 30389	TDA4510/V8
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	5322 130 41982	BC848B
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7381	5322 130 42012	BC858
7385	5322 130 42012	BC858
7387	5322 130 42012	BC858
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8

Spare parts list / Stückliste / Liste

Picture tube panel E

Connectors

	4822 265 20509	2P male grey
	4822 265 40596	2P male
	4822 267 40985	6P male black
	4822 290 40295	7P male grey

Various parts

	4822 492 70788	spring fix IC
	4822 255 70261	picture tube socket
1030	4822 212 23711	PTP 25"-28"
1030	4822 212 23953	PIP 33"

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2700	4822 122 33496	100nF 10% 63V
2701	4822 122 32507	6,8pF 5% 50V
2703	4822 122 33125	180pF 10% 63V
2704	4822 124 42182	3,3µF 20% 250V
2705	4822 124 40272	33µF 20% 16V
2706	4822 122 31797	22nF 10% 63V
2707	4822 121 51562	33nF 10% 1600V
2708	5322 122 31842	330pF 5% 63V
2709	4822 122 31825	27pF 10% 50V
2710	4822 122 31774	56pF 5% 50V
2711	4822 122 32507	6,8pF 5% 50V
2712	4822 126 11175	22pF 5% 50V
2713	4822 121 41156	68nF 10% 250V
2715	4822 121 41156	68nF 10% 250V
2716	4822 122 31797	22nF 10% 63V
2717	4822 121 41156	68nF 10% 250V
2720	4822 122 31774	56pF 5% 50V
2721	4822 122 32507	6,8pF 5% 50V
2726	4822 122 31797	22nF 10% 63V
2730	4822 122 31774	56pF 5% 50V
2731	5322 122 31647	1nF 10% 63V
2741	5322 122 31647	1nF 10% 63V
2751	5322 122 31647	1nF 10% 63V
2760	4822 122 31174	2,7nF 10% 500V

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3537	4822 052 11128	1Ω2 5% 0,5W
3700	4822 051 10182	1k8 2% 0,25W
3701	4822 051 10101	100Ω 2% 0,25W
3702	4822 051 10102	1k 2% 0,25W
3704	4822 051 10272	2k7 2% 0,25W
3705	4822 051 10332	3k3 2% 0,25W
3706	4822 050 21504	150k 1% 0,6W
3708	4822 111 50518	1k5 5% 0,5W
3710	4822 051 10008	0Ω 6% 0,25W
3711	4822 051 10101	100Ω 2% 0,25W
3712	4822 051 10272	2k7 2% 0,25W
3714	4822 051 10272	2k7 2% 0,25W
3715	4822 051 10332	3k3 2% 0,25W
3716	4822 050 21504	150k 1% 0,6W
3718	4822 111 50518	1k5 5% 0,5W
3719	4822 051 10008	0Ω 5% 0,25W
3720	4822 051 10823	82k 2% 0,25W
3721	4822 051 10101	100Ω 2% 0,25W
3724	4822 051 10272	2k7 2% 0,25W
3725	4822 051 10332	3k3 2% 0,25W
3726	4822 050 21204	120k 1% 0,6W
3727	4822 111 50518	1k5 5% 0,5W
3728	4822 111 50518	1k5 5% 0,5W
3730	4822 111 50518	1k5 5% 0,5W
3731	4822 052 10279	27Ω 5% 0,33W

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3733	4822 052 10189	18Ω 5% 0,33W
3734	4822 051 10114	110k 2% 0,25W
3735	4822 051 10103	10k 2% 0,25W
3736	4822 051 10333	33k 2% 0,25W
3737	4822 051 10203	20k 2% 0,25W
3738	4822 116 52304	82k 5% 0,5W
3739	4822 116 52188	27Ω 5% 0,5W
3739	4822 116 52193	39Ω 5% 0,5W
3740	4822 051 10114	110k 2% 0,25W
3741	4822 051 10124	120k 2% 0,25W
3742	4822 051 10333	33k 2% 0,25W
3743	4822 051 10333	33k 2% 0,25W
3761	4822 051 10152	1k5 2% 0,25W
3761	4822 051 10332	3k3 2% 0,25W

Jumpers

4701	4822 051 10008	0Ω 5% 0,25W
4702	4822 051 10008	0Ω 5% 0,25W
4703	4822 051 10008	0Ω 5% 0,25W
4709	4822 051 10008	0Ω 5% 0,25W
4714	4822 051 10008	0Ω 5% 0,25W
4743	4822 051 10008	0Ω 5% 0,25W

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5700	4822 157 60155	33µH 7,5%
5701	4822 157 60155	33µH 7,5%

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6700	4822 130 80879	LLZ-C3V0
6701	4822 130 80877	BAV103
6702	4822 130 80877	BAV103
6703	4822 130 80877	BAV103
6704	4822 130 80877	BAV103
6705	4822 130 80877	BAV103
6706	4822 130 80877	BAV103
6707	4822 130 82345	LLZ-C22
6708	4822 130 30842	BAV21
6709	4822 130 30842	BAV21
6711	4822 130 30842	BAV21
6712	4822 130 80877	BAV103
6713	4822 130 80877	BAV103
6714	4822 130 32896	BYD33M
6715	4822 130 82969	BZD23-C24

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7704	4822 130 60373	BC856B
7705	4822 209 63898	TDA6111Q/N1
7705	4822 209 30417	TDA6111Q/N2
7706	4822 209 63898	TDA6111Q/N1
7706	4822 209 30417	TDA6111Q/N2
7707	4822 209 63898	TDA6111Q/N1
7707	4822 209 30417	TDA6111Q/N2
7708	4822 130 41646	BF423
7709	4822 130 41646	BF423
7710	4822 130 41646	BF423

NICAM sound module K

Connectors

	4822 265 41087	9P male

Various parts

1001	4822 242 81128	cryst. 17.470MHz
1002	4822 242 72301	filter TH316BOM - 20800DAF
1002	4822 242 72303	filter TH316BQM
1003	4822 242 81126	cryst. 11.170MHz
1003	4822 242 81127	cryst. 13.100MHz
1106	4822 242 72303	filter TH316BQM
1600	4822 212 23907	NICAM PAL BG
1600	4822 212 23908	NICAM PAL I

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2000	4822 122 31947	100nF 20% 63V
2001	4822 124 40433	47µF 20% 25V
2002	4822 122 31797	22nF 10% 63V
2003	4822 122 31797	22nF 10% 63V
2004	4822 122 31768	180pF 5% 50V
2005	4822 122 31768	180pF 5% 50V
2006	5322 122 31842	330pF 5% 63V
2007	4822 122 32597	6,8nF 10% 63V
2008	4822 122 31808	150pF 10% 50V
2009	4822 122 32442	10nF 50V
2010	4822 122 31808	150pF 10% 50V
2011	4822 122 31766	120pF 5% 50V
2012	4822 121 41854	150nF 5% 63V
2013	4822 122 31746	1000pF 5% 50V
2014	4822 122 32442	10nF 50V
2015	4822 125 50045	20pF trim.
2016	4822 122 31961	68pF 5% 63V
2017	4822 121 42408	220nF 5% 63V
2018	4822 122 32442	10nF 50V
2019	4822 122 31797	22nF 10% 63V
2020	4822 124 40433	47µF 20% 25V
2021	4822 122 31782	15nF 10% 50V
2021	4822 122 32856	8,2nF 10% 63V
2022	4822.122 31981	33nF ±0,5pF 50V
2022	4822 122 31759	18nF
2023	4822 122 31981	33nF ±0,5pF 50V
2023	4822 122 31759	18nF
2024	4822 122 31782	15nF 10% 50V
2024	4822 122 32856	8,2nF 10% 63V
2025	4822 122 31797	22nF 10% 63V
2026	4822 124 40433	47µF 20% 25V
2027	4822 122 31773	560pF 5% 50V
2028	4822 126 10171	2,7nF 5% 50V
2029	4822 122 32999	2,2nF 5% 50V
2030	4822 122 32999	2,2nF 5% 50V
2031	4822 126 10171	2,7nF 5% 50V
2032	4822 122 31773	560pF 5% 50V
2033	4822 126 11492	220nF 10% 63V
2034	4822 126 11492	220nF 10% 63V
2035	4822 122 31746	1000pF 5% 50V
2036	4822 122 32442	10nF 50V
2037	4822 122 32442	10nF 50V
2038	4822 122 31797	22nF 10% 63V
2039	4822 126 11691	150nF 10% 63V
2040	4822 122 33669	150nF 20% 50V
2041	5322 122 31647	1nF 10% 63V
2042	4822 126 10183	330pF 10% 63V
2043	5322 122 31647	1nF 10% 63V
2044	5322 122 31647	1nF 10% 63V
2050	4822 124 40433	47µF 20% 25V

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2051	5322 122 31647	1nF 10% 63V
2245	5322 122 31647	1nF 10% 63V
2246	5322 122 31647	1nF 10% 63V

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3000	4822 051 10471	470Ω 2% 0,25W
3002	4822 051 10332	3k3 2% 0,25W
3003	4822 051 10332	3k3 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10823	82k 2% 0,25W
3007	4822 051 10223	22k 2% 0,25W
3008	4822 051 10223	22k 2% 0,25W
3009	4822 051 10392	3k9 2% 0,25W
3010	4822 051 10104	100k 2% 0,25W
3011	4822 051 10104	100k 2% 0,25W
3012	4822 053 20106	10M 5% 0,25W
3013	4822 051 10824	820k 2% 0,25W
3014	4822 051 10103	10k 2% 0,25W
3015	4822 051 10682	6k8 2% 0,25W
3015	4822 051 10123	12k 2% 0,25W
3016	4822 051 10122	1k2 2% 0,25W
3016	4822 051 20222	2k2 5% 0,1W
3017	4822 051 10122	1k2 2% 0,25W
3017	4822 051 20222	2k2 5% 0,1W
3018	4822 051 10682	6k8 2% 0,25W
3018	4822 051 10123	12k 2% 0,25W
3019	4822 051 10752	7k5 2% 0,25W
3019	4822 051 10562	5k6 2% 0,25W
3020	4822 051 10472	4k7 2% 0,25W
3021	4822 051 10472	4k7 2% 0,25W
3022	4822 051 10472	4k7 2% 0,25W
3023	4822 051 10472	4k7 2% 0,25W
3024	4822 051 10184	180k 2% 0,25W
3025	4822 051 10184	180k 2% 0,25W
3026	4822 051 10101	100Ω 2% 0,25W
3027	4822 051 10101	100Ω 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 052 10109	10Ω 5% 0,33W
3030	4822 051 10102	1k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10569	56Ω 2% 0,25W
3033	4822 051 20222	2k2 5% 0,1W
3034	4822 051 10431	430Ω 2% 0,25W
3035	4822 051 10241	240Ω 2% 0,25W
3036	4822 051 10102	1k 2% 0,25W
3037	4822 051 10159	15Ω 2% 0,25W
3049	4822 051 10223	22k 2% 0,25W
3050	4822 051 10103	10k 2% 0,25W
3099	4822 051 10101	100Ω 2% 0,25W
3099	4822 116 90536	120Ω 1% 0,125W

Jumpers

4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4052	4822 051 10008	0Ω 5% 0,25W
4053	4822 051 10008	0Ω 5% 0,25W
4054	4822 051 10008	0Ω 5% 0,25W
4055	4822 051 10008	0Ω 5% 0,25W
4100	4822 051 10008	0Ω 5% 0,25W

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5000	4822 157 50975	1mH 10%
5001	4822 157 50975	1mH 10%
5002	4822 157 51235	4,7µH 10%
5003	4822 157 51235	4,7µH 10%

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6000	4822 130 30621	1N4148
6005	4822 209 30911	OF4076
6006	5322 130 31684	BB809
6050	4822 130 80446	LL4148

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7000	4822 209 30909	TDA8732/C1
7001	4822 209 30914	SAA7280/M3
7002	4822 209 83163	LM833N
7003	4822 209 83163	LM833N
7004	5322 209 10576	4053B
7007	4822 209 73236	TDA1543/N2
7008	5322 130 42755	BC847C
7009	4822 130 60887	BF840
7050	5322 130 42136	BC848C

Spare parts list / Stückliste / Liste

Y/C detector I

Connectors

	4822 265 40503	5P female gold
	4822 265 30431	3P female gold

Various parts

1231	4822 242 80364	filter 4,43MHz

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2225	4822 124 40196	220µF 20% 16V
2226	4822 122 32927	220nF
2228	4822 122 32927	220nF
2235	4822 122 31965	220pF 5% 63V
2236	4822 122 31772	47pF 5% 50V
2237	4822 122 32142	270pF 5% 63V
2238	4822 122 31768	180pF 5% 50V
2239	4822 122 31947	100nF 20% 63V
2244	4822 124 20722	1µF 10% 63V
2246	4822 122 31947	100nF 20% 63V
2247	4822 122 31766	120pF 5% 50V
2261	4822 124 20678	47µF 10% 10V
2262	4822 122 31808	150pF 10% 50V
2269	4822 124 20726	4,7µF 10% 63V

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3200	4822 050 11002	1k 1% 0,4W
3201	4822 116 83006	2M7 5% 0,5W
3203	4822 051 10563	56k 2% 0,25W
3204	4822 051 10103	10k 2% 0,25W
3212	4822 051 10751	750Ω 2% 0,25W
3213	4822 051 10008	0Ω 5% 0,25W
3213	4822 051 10153	15k 2% 0,25W
3214	4822 051 10153	15k 2% 0,25W
3221	4822 051 10472	4k7 2% 0,25W
3223	4822 116 52203	91Ω 5% 0,5W
3225	4822 116 52219	330Ω 5% 0,5W
3226	4822 116 52243	1k5 5% 0,5W
3227	4822 051 10112	1k1 2% 0,25W
3228	4822 051 10474	470k 2% 0,25W
3229	4822 051 10331	330Ω 2% 0,25W
3230	4822 051 10102	1k 2% 0,25W
3231	4822 051 10681	680Ω 2% 0,25W
3236	4822 051 10331	330Ω 2% 0,25W
3250	4822 051 10151	150Ω 2% 0,25W
3258	4822 051 10102	1k 2% 0,25W
3272	4822 051 10471	470Ω 2% 0,25W
3278	4822 051 10472	4k7 2% 0,25W
3280	4822 051 10102	1k 2% 0,25W
3282	4822 051 10103	10k 2% 0,25W
3283	4822 051 10472	4k7 2% 0,25W
3284	4822 051 10102	1k 2% 0,25W
3289	4822 051 10102	1k 2% 0,25W
3302	4822 051 10102	1k 2% 0,25W
3307	4822 051 10474	470k 2% 0,25W
3308	4822 051 10471	470Ω 2% 0,25W
3309	4822 051 10008	0Ω 5% 0,25W
3319	4822 051 10102	1k 2% 0,25W

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5200	4822 157 62824	7,5µH
5201	4822 157 62824	7,5µH
5202	4822 157 60122	4,7µH 10%

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6258	4822 130 80905	LLZ-F5V1

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7226	5322 130 41983	BC858B
7228	5322 130 41982	BC848B
7262	5322 130 41983	BC858B
7263	5322 130 41982	BC848B
7264	4822 130 42353	BFS19
7266	5322 130 42136	BC848C
7267	4822 130 42513	BC858C
7274	5322 130 42136	BC848C
7275	4822 130 42513	BC858C
7276	5322 130 41983	BC858B
7277	5322 130 41982	BC848B
7278	5322 130 41982	BC848B